



North Dakota Department of Transportation

Grant Levi, P.E.
Director

Jack Dalrymple
Governor

February 22, 2016

Dakota Access, LLC
1300 Main Street
Houston, TX 77002

UTILITY PERMIT #12660, HIGHWAY 1804

One copy of your requested utility permit is enclosed.

Installation and maintenance of said facilities on highway right of way shall be subject to the North Dakota Department of Transportation's "A Policy for Accommodation of Utilities on State Highway Right of Way", current edition, which is available at the following site.

<http://www.dot.nd.gov/manuals/environmental/policy-utilities-state-row.pdf>

A copy of the permit is required at the work site for reference by the work crew or contractor.

The bore pits and equipment used for the buried crossing must be outside the clear zone which is a minimum of 26 feet from the edge of the driving lane.

If you have any questions please call. Thanks!

A handwritten signature in blue ink that reads "Renee Seibel".

RENEE SEIBEL – ENGINEERING TECHNICIAN IV

rs
enclosure

ND-EM-002.900
SH 1804
218 Airport Road • Bismarck, North Dakota 58504-6003
District Information: (701) 328-6950 • FAX: (701) 328-6933 • TTY: 711 • www.dot.nd.gov
General Information: 1-855-NDROADS (1-855-637-6237)

UTILITY OCCUPANCY APPLICATION AND PERMIT

North Dakota Department of Transportation, Design Division
SFN 7995 (Rev. 11-2012)

Document Number 12660	(FOR STATE USE ONLY)	Permit Number 1-1804-42.1517
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APPLICANT INFORMATION

Prepared Company Name CONTRACT LAND STAFF			Prepared by CLAIRE CUNNINGHAM		
Owner of Facility DAKOTA ACCESS, LLC	City Houston	State TX	Zip Code 77002		
Mailing Address 1300 MAIN STREET					Telephone Number
Owner's Agent Claire Cunningham	City 1100 Weiss Ave Bismarck	State ND	Zip Code 58503	Telephone Number 702-989-2489	
Owner's Contractor			City	State	Telephone Number

TYPE OF FACILITY (Complete appropriate spaces only.)

Description of Proposed Facility CRUDE oil pipeline - cathodically protected		
Size of Facility 30" Steel	Number of Cables	Length of Down Guys
Pipeline Pressure MOP 1440 PSIG	Size of Casing	Length of Casing
Location of Pole(s)	Location of Appurtenances	Location - Others

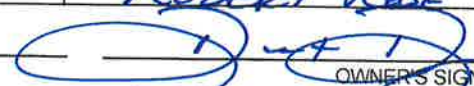
TERMS AND CONDITIONS: Installation and maintenance of said facilities on highway right of way shall be subject to the North Dakota Department of Transportation's (NDDOT's) "A Policy for Accommodation of Utilities on State Highway Right of Way", current edition, and the following terms and conditions, attached hereto and made a part hereof.

- (A) Installation/maintenance of said facilities shall be done in a manner satisfactory to the NDDOT district engineer.
- (B) Owner shall notify the NDDOT district engineer forty-eight (48) hours prior to installing, maintaining, relocating, or removing said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the NDDOT district engineer.
- (C) The owner shall be required to wear an ANSI/ISEA 107-2004 Class II height visibility garment while within the highway right-of-way as per the requirements of 23 CFR 634.
- (D) Owner shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way, which may be damaged as a result of the installation and maintenance of said facilities on highway right of way.
- (E) The Risk Management Appendix, attached, is hereby incorporated and made a part of this agreement.
- (F) Owner shall promptly remove said facilities from highway right of way, or shall relocate or adjust said facilities, at its sole cost and expense when requested to do so by NDDOT.
- (G) NDDOT specifically reserves the right to revoke, or change the terms and conditions of, this Permit with or without cause and upon notice to the Owner.
- (H) The Owner, for him or herself, his or her personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree that (1) no person, on the grounds of race, color, national origin, sex, age, disability/handicap, or income status**, shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land and the furnishing of services thereon, no person, on the grounds of race, color, national origin, sex, age, disability/handicap, or income status**, shall be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination, (3) that the Owner shall use the premises in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted Programs of the Department of Transportation - Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

That in the event of breach of any of the above nondiscrimination covenants, the NDDOT shall have the right to terminate this Permit and to re-enter and repossess said land and the facilities thereon and hold the same as if said Permit had never been made or issued.

**The Act governs race, color, and national origin. Related Nondiscrimination Authorities govern sex, 23 U.S.C. 324; age, 42 U.S.C. 6101; disability/handicap, 29 U.S.C. 790; and low income, E.O. 12898.

(I) The installation shall be completed on or before May 1, 20 17

Company Name DAKOTA ACCESS, LLC	Owner's Name (Please Print) ROBERT ROSE
DATE 1/29/16	OWNER'S SIGNATURE 

The Owner is hereby granted permission to install and maintain the facilities applied for, as shown on the plans attached hereto and made a part hereof. Approved by NDDOT this 22 day of Feb, 20 16.

ND-EM-002.900
SH 1804

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
Kevin J. Levi
DISTRICT ENGINEER (TYPE OR PRINT)
K. J. L
SIGNATURE

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point 42.1517 End Ref. Point _____

Highway No. <u>1804</u>	<input type="checkbox"/> Along or <input checked="" type="checkbox"/> Across	Lanes of traffic <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input checked="" type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Begin <u>801'</u> feet from reference marker	<u>42</u>
Direction <input type="checkbox"/> N <input checked="" type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End <u>4479'</u> feet from reference marker	<u>43</u>
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____ or _____ miles from junction highway _____		

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____	<input type="checkbox"/> Along or <input type="checkbox"/> Across	Lanes of traffic <input type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Begin _____ feet from reference marker	_____
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End _____ feet from reference marker	_____
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____ or _____ miles from junction highway _____		

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____	<input type="checkbox"/> Along or <input type="checkbox"/> Across	Lanes of traffic <input type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Begin _____ feet from reference marker	_____
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End _____ feet from reference marker	_____
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____ or _____ miles from junction highway _____		

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____	<input type="checkbox"/> Along or <input type="checkbox"/> Across	Lanes of traffic <input type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Begin _____ feet from reference marker	_____
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End _____ feet from reference marker	_____
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____ or _____ miles from junction highway _____		

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____	<input type="checkbox"/> Along or <input type="checkbox"/> Across	Lanes of traffic <input type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Begin _____ feet from reference marker	_____
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End _____ feet from reference marker	_____
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____ or _____ miles from junction highway _____		

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____	<input type="checkbox"/> Along or <input type="checkbox"/> Across	Lanes of traffic <input type="checkbox"/> 2 <input type="checkbox"/> 4
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	Begin _____ feet from reference marker	_____
Direction <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	End _____ feet from reference marker	_____
<input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from city of _____ or _____ miles from junction highway _____		

INTERSTATE HIGHWAYS - Applicant's description of the proposed method of ingress and egress to and from interstate right of way, as attached to the plan.

ND-EM-002.900
SH 1804

Risk Management Appendix

Permits and Licenses with Private Individuals, Companies, Corporations, Etc. (referred to as Recipient):

Recipient agrees to defend, indemnify, and hold harmless the state of North Dakota, its agencies, officers and employees (State), from and against claims based on the vicarious liability of the State or its agents, but not against claims based on the State's contributory negligence, comparative and/or contributory negligence or fault, sole negligence, or intentional misconduct. The legal defense provided by the Recipient to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Recipient also agrees to defend, indemnify, and hold the State harmless for all costs, expenses and attorneys' fees incurred if the State prevails in an action against the Recipient in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

Recipient shall secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools or government self-retention funds authorized to do business in North Dakota, the following insurance coverages:

- 1) **Commercial general liability and automobile liability** insurance – minimum limits of liability required are **\$250,000 per person and \$1,000,000 per occurrence.**
- 2) **Workers compensation** insurance meeting all statutory limits.
- 3) The State of North Dakota and its agencies, officers, and employees (State) shall be endorsed as an **additional** insured on the commercial general liability and automobile liability policies.
- 4) Said endorsements shall contain a **"Waiver of Subrogation"** in favor of the state of North Dakota.
- 5) The policies and endorsements may not be canceled or modified without **thirty (30) days prior written notice** to the undersigned State representative.

Recipient shall furnish a certificate of insurance evidencing the requirements in 1, 3, and 4 above to the undersigned State representative prior to commencement of this agreement.

The State reserves the right to obtain complete, certified copies of all required insurance documents, policies, or endorsements at any time. If Recipient's insurance will expire prior to the term of this agreement, Recipient shall renew the above requirements and furnish a certificate of insurance evidencing the renewal to the undersigned State representative prior to the expiration of the insurance. Any attorney who represents the State under this policy must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08.

When a portion of a Contract is sublet, the Recipient shall obtain insurance protection (as outlined above) to provide liability coverage to protect the Recipient and the State as a result of work undertaken by the Subcontractor. In addition, the Recipient shall ensure that any and all parties performing work under the Contract are covered by public liability insurance as outlined above. All Subcontractors performing work under the Contract are required to maintain the same scope of insurance required of the Recipient. The Recipient shall be held responsible for ensuring compliance with those requirements by all Subcontractors.

Recipient's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention maintained by the State. Any insurance, self-insurance or self-retention maintained by the State shall be excess of the Recipient's insurance and shall not contribute with it. The insolvency or bankruptcy of the insured Recipient shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Recipient from meeting the retention limit under the policy. Any deductible amount or other obligations under the policy(ies) shall be the sole responsibility of the Recipient. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and be placed with insurers rated "A-" or better by A.M. Best Company, Inc. The State will be indemnified, saved, and held harmless to the full extent of any coverage actually secured by the Recipient in excess of the minimum requirements set forth above.

RM Consulted 2007
Revised 5-09



Dakota Access, LLC
1300 Main St.
Houston, TX 77002

Dear Permittee:

You have submitted to the North Dakota Department of Transportation (NDDOT), in connection with your certificate of insurance, additional pages or language on the certificate which either purports to limit or qualify the information reflected on the certificate of insurance or which purports to change, modify or amend your company's insurance policies. NDDOT policy is to not solicit, review or approve contractors' insurance policies, endorsements or amendments to insurance policies, or insurance documents other than properly completed certificates of insurance. NDDOT contracts specify that contractors are responsible for acquiring and maintaining specified coverages and proof of insurance.

Please have a company executive authorized to execute contract documents sign and date the statement below attesting that your company has insurance coverage consistent with the contract provisions and immediately fax and mail it back to us.

Be advised that execution of this contract will be delayed until these issues have been resolved.

Sincerely,

Joel M. Wilt
Williston District Engineer

UTILITY OCCUPANCY APPLICATION AND PERMIT

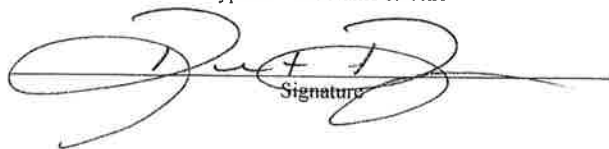
Dakota Access, LLC; states that the company has, and will maintain in force, insurance coverages (including proof of coverages) consistent with the contract specifications.

Date 2/8/10

Robert Rose

Vice President, Land and Right of Way

Type or Print Name & Title


Signature



CERTIFICATE OF LIABILITY INSURANCE

9/15/2016

DATE (MM/DD/YYYY)
2/4/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER LOCKTON COMPANIES 5847 SAN FELIPE, SUITE 320 HOUSTON TX 77057 866-260-3538	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Old Republic Insurance Company	NAIC # 24147
INSURED 1389319 DAKOTA ACCESS, LLC 1300 MAIN STREET HOUSTON, TX 77002	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES CERTIFICATE NUMBER: 13887652 REVISION NUMBER: XXXXXXXX


THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	Y	Y	MWZY 59829 15	9/15/2015	9/15/2016	EACH OCCURRENCE \$ 10,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 10,000,000 MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ 10,000,000 GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COMP/OP AGG \$ 10,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> MCS-90	Y	Y	MWTB 21711 15	9/15/2015	9/15/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 10,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	MWC 117949 15	9/15/2015	9/15/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 10,000,000 E.L. DISEASE - EA EMPLOYEE \$ 10,000,000 E.L. DISEASE - POLICY LIMIT \$ 10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 All policies (except Workers' Compensation/EL) contain a special endorsement with "Primary and Noncontributory" wording.

CERTIFICATE HOLDER

CANCELLATION See Attachment

13887652 NORTH DAKOTA DEPARTMENT OF TRANSPORTATION 608 EAST BOULEVARD AVE. BISMARCK ND 58505-0700	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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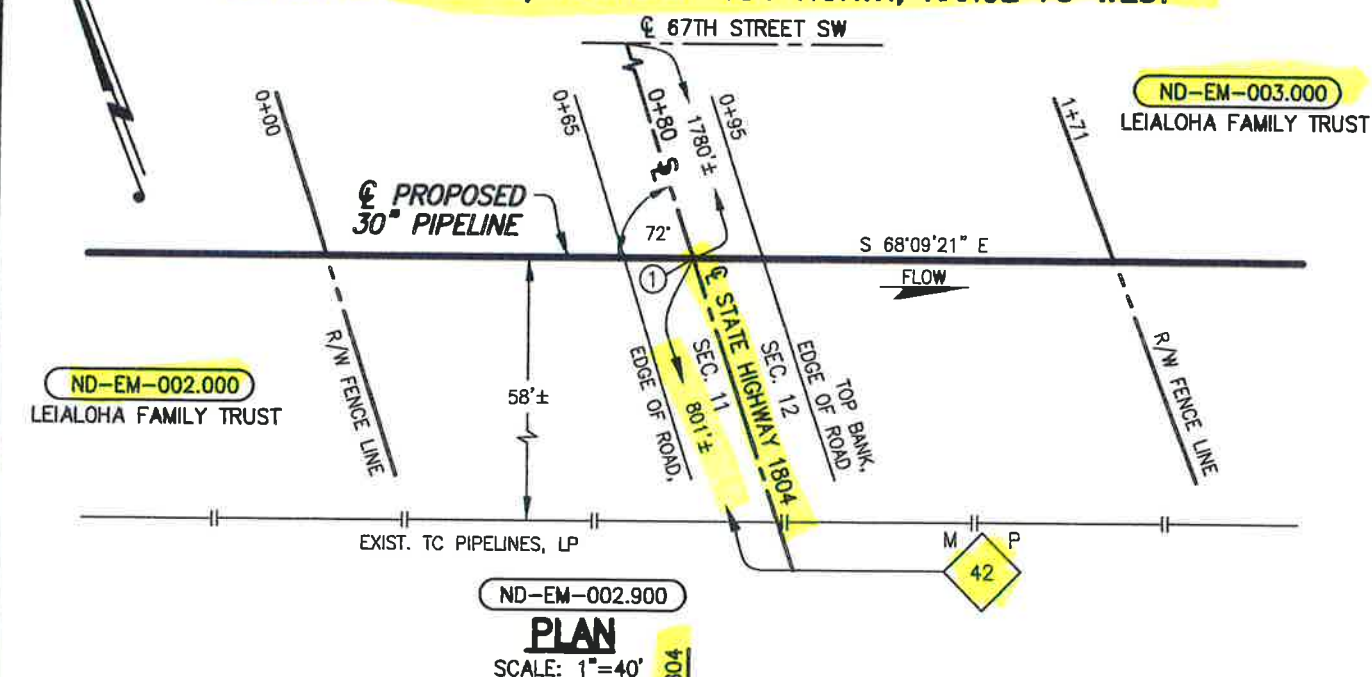
All policies (except Workers' Compensation/EL) include a blanket automatic additional insured endorsement [provision] that confers additional insured status to the certificate holder only if there is a written contract between the named insured and the certificate holder that requires the named insured to name the certificate holder as an additional insured. In the absence of such a contractual obligation on the part of the named insured, the certificate holder is not an additional insured under the policy.

All policies include a blanket automatic waiver of subrogation endorsement [provision] that provides this feature only when there is a written contract between the named insured and the certificate holder that requires it. In the absence of such a contractual obligation on the part of the named insured, the waiver of subrogation feature does not apply.

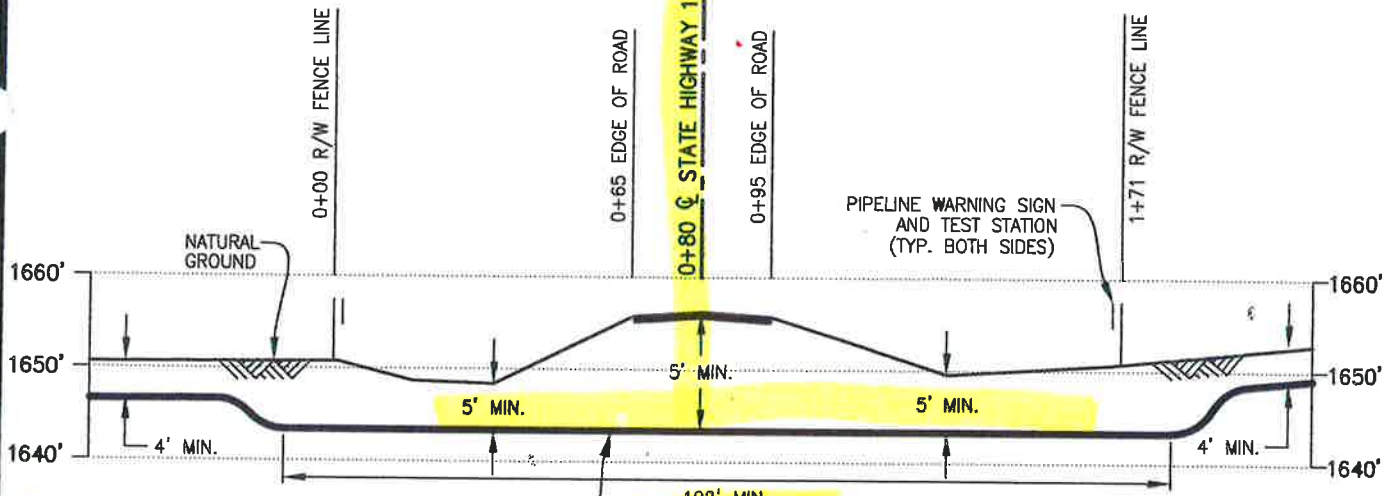
EMMONS COUNTY, NORTH DAKOTA

SECTIONS 11 & 12, TOWNSHIP 134 NORTH, RANGE 79 WEST

D:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\103957-P8-ND-EM-002.900.dwg PLOT DATE: 10/30/2015 BY: MUALLEM, MIKE



PLAN
SCALE: 1"=40'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=40' HORIZ.
 1"=20' VERT.

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: \odot STATE HIGHWAY 1804 AT STA. 0+80, ELEV. 1656.23'

E	10/30/15	MM	ISSUED FOR USE/PERMIT	RC
D	10/22/15	OP	ISSUED FOR USE/PERMIT	MM
C	07/01/15	JWH	ISSUED FOR USE/PERMIT	EDF
B	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC
REV.	DATE	BY	DESCRIPTION	CHK.



PROPOSED 30" DAPL PIPELINE CROSSING STATE HIGHWAY 1804

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: OP	DATE: 12/02/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-002.900	E
SCALE: AS SHOWN	APP.:		

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

FILE: \\m



WOOD GROUP MUSTANG

Wood Group Mustang, Inc.
17325 Park Row
Houston, TX 77084
United States
T: +832 809 8000
www.mustangeng.com

February 15th, 2016

North Dakota Department of Transportation (ND-DOT)
608 East Boulevard Avenue
Bismarck, ND 58505

To whom this may concern,

The purpose of this letter is to confirm that the Dakota Access Pipeline (DAPL) is being designed with proper corrosion prevention systems. The first barrier of defense from corrosion is through the use of high-performance coatings (fusion bonded epoxy – FBE), followed by impressed current cathodic protection (ICCP) systems installed approximately every ten miles, at locations where electrical power is available, and wherever possible, in areas with relatively easy access.

The section of pipeline contained within the state of North Dakota, totaling approximately 358 miles, will have the following specifications:

- 12.75" O.D., 0.500" W.T., X-52, 14-16 MILS FBE w/40 MILS ARO
- 20.00" O.D., 0.438" W.T., X-70, 14-16 MILS FBE w/40 MILS ARO
- 24.00" O.D., 0.500" W.T., X-70, 14-16 MILS FBE w/40 MILS ARO
- 30.00" O.D., 0.625" W.T., X-70, 14-16 MILS FBE w/40 MILS ARO

Note that abrasion resistant overcoat (ARO) will only be used through sections where pipe is more susceptible to sustaining coating damage during installation (e.g. horizontal directional drills, through bores). In the case of open-cut installations, 14-16 mils of FBE will be used.

As the firm designing the pipeline, have reviewed all applicable codes and specifications and are in full compliance with DOT 195, and NACE International. We are confident that the design is adequate for the pipeline.

Should you have any questions please do not hesitate to contact us.

Regards,

Rodrigo J. Himiob

Integrity Management Lead

rodrigo.himiob@woodgroup.com

(832) 809-5616

Ray Chu

State Engineering Lead – ND

ray.chu@woodgroup.com

(832) 809-6726

Daniel Junk

Project Manager

dan.junk@woodgroup.com

(832) 809-8229

CC: Claire Cunningham – Contract Land Staff

DAKOTA ACCESS PIPELINE PROJECT

The attached Utility Crossing Permit Applications are being submitted on behalf of Dakota Access, LLC.

Dakota Access is proposing to construct a new crude oil pipeline that will provide transportation service from points of origin in the Bakken/Three Forks play in North Dakota through portions of South Dakota and Iowa to a terminus in Patoka, Illinois.

The proposed DAPL Project is comprised of an underground pipeline and associated tank terminals/pump stations for the storage and transport of crude petroleum. In North Dakota, the DAPL Project consists of two main underground pipeline components (Supply Line and Mainline), six tank/pump stations, and minor aboveground appurtenances (eg. Main line valves). The 151 mile long Supply Line Route will commence with a new 12" diameter pipeline east of Stanley, extend to the west and then south around Lake Sakakawea, ultimately reaching its terminus at Johnson Corner. The diameter of the pipeline increases incrementally at designated tank terminals from 12 inches to 20, 24 and ultimately, 30 inches. The DAPL Project will provide shippers access to approximately 450,000 bpd of transportation capacity (with the ultimate capacity of 570,000 bpd or greater depending on customer demand).

Six tank terminals are proposed throughout the length of the Supply Line, including just west of the pipeline's commencement point near Stanley, and subsequent tank terminals locate south of Tioga, near Epping, near Trenton, Near Watford City and at Johnson Corner.

At the discharge side of the Johnson Corner tank terminal and pump station, the 30 inch diameter Mainline commences and heads in a general southeast direction through for approximately 210 miles before crossing the state line at the Emmons County, ND/Campbell County, SD border. Additionally, the Mainline crosses portions of South Dakota, Iowa, and Illinois for a combined total of approximately 1,150 miles.

DRIVEWAY APPLICATION & PERMIT

North Dakota Department of Transportation, Maintenance Division
 SFN 5918 (Rev. 06-2015)

Permit Number 6 1

District Number 6 1

Applicant DAKOTA ACCESS, LLC		Telephone Number	
Address 1300 MAIN STREET		City HOUSTON	State TX
		ZIP Code 77002	

Driveway Information on State Highway Right of Way

Number of Driveways 2 Temp		<input checked="" type="checkbox"/> Pipeline Construction <input type="checkbox"/> Private <input type="checkbox"/> Commercial		Direction <input type="checkbox"/> N <input type="checkbox"/> S <input checked="" type="checkbox"/> E <input checked="" type="checkbox"/> W side of Route 1804	
Location approx 801' north of MP 42 on SH 1804					
Town	Highway	Junction	Mile Marker Number		
	SH 1804		42		
Description of proposed work on state right of way and type of business served. Temporary access drives on both sides of SH 1804 for pipeline construction					

Applicant agrees that any permit issued and any entrance built or work done shall be in accordance with plans attached hereto and made a part hereof, and Permit Specifications printed on the reverse side of this sheet. If the applicant fails to construct the drive to the specified dimensions, including the proper culvert length and inslopes, the Department of Transportation, hereinafter referred to as NDDOT, will either cancel this permit and remove the drive or make the necessary corrections and the Applicant will reimburse NDDOT for such work.

APPLICANT:

NORTH DAKOTA
 DEPARTMENT OF TRANSPORTATION

ROBERT ROSE
 Name (Type or Print)

X [Signature]
 Signature

Vice President, Land and Right of Way
 Title

1/29/16
 Date

Permit granted: 2-26-2016
 Date

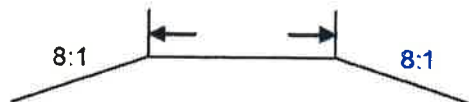
Kevin J. Levi
 District Engineer (Type or Print)

X [Signature]
 Signature

2-26-2016
 Date

Construction shall be completed by: May 1, 2017
 Date

Sketch:



(Original to District File, copy to Applicant)

ND-EM-002.900
SH 1804

DRIVEWAY PERMIT SPECIFICATIONS

1. The total cost of all construction and maintenance of the work specified shall be borne by the Applicant, his grantees, successors, and assigns; except that the state will maintain the shoulder of the roadway.
2. The applicant shall be required to wear an ANSI/ISEA 107-2004 Class II high visibility garment while within the highway right-of-way as per the requirements of 23 CFR 634.
3. It is understood by the Applicant that the state does not assume any responsibility for the removal or clearance of snow, ice, or sleet, or the opening of windrows of such materials, upon any portion of the driveway even though snow, ice, or sleet is deposited or windrowed on said drive by its authorized representative engaged in normal winter maintenance operation.
4. No driveway shall be considered as completed until checked and approved by NDDOT. Surfacing may be omitted on field entrances if so specified in the application.
5. A driveway, as referred to in this permit, shall be the traveled area between the highway roadway surface and the adjacent right-of-way line. Said driveway shall be used only for the purpose of providing entrance to and exit from the Applicants property.
6. No driveway, or improvement constructed on the highway right of way shall be altered or relocated without permission of the district engineer of NDDOT.
7. The Applicant agrees to perform all work in accordance with this permit, and to indemnify and hold harmless NDDOT, its officers, and employees from any and all liability, judgments, costs, expenses, and claims growing out of damages, or alleged damages, of any nature whatsoever, to any person or property arising out of performance or nonperformance of said work, or the existence of said driveways.
8. It is understood by the Applicant that the location, construction, and maintenance of driveways are under the supervision of NDDOT at all times, and that in granting this permit NDDOT waives none of its powers or rights to direct the removal, relocation, or proper maintenance in the future of any driveways within the right of way of the state highway.
9. The granting of this permit does not vest the Applicant with the exclusive use of the driveway. NDDOT retains the right to diminish and expand the use of the driveway as required in the interest of the safety of highway traffic.
10. Wetlands: The applicant shall certify that no wetlands will be impacted by the installation of the driveway. If wetlands are impacted, the applicant shall coordinate with the US Army Corps of Engineers (USACE), North Dakota Regulatory Office to determine if a permit is required or mitigation is needed. Certification of avoidance, a wetland delineation, or a permit (if required) from the USACE shall be attached to the application.
11. The Applicant, for him or herself, his or her heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree that (1) no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land, and the furnishing of services thereon, no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination, (3) that the Applicant will use the premises in compliance with all other requirements imposed by or pursuant to the Acts and Regulations, as amended, such that no person on the grounds of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities set forth in this Assurance.

That in the event of breach of any of the above Non-discrimination covenants, NDDOT will have the right to terminate this Permit and to enter or re-enter and repossess said land and the facilities thereon, and hold the same as if said Permit had never been made or issued.
12. Risk Management Appendix, attached, is hereby incorporated and made a part of this agreement.

Risk Management Appendix

Permits and Licenses with Private Individuals, Companies, Corporations, Etc. (referred to as Recipient):

Recipient agrees to defend, indemnify, and hold harmless the state of North Dakota, its agencies, officers and employees (State), from and against claims based on the vicarious liability of the State or its agents, but not against claims based on the State's contributory negligence, comparative and/or contributory negligence or fault, sole negligence, or intentional misconduct. The legal defense provided by the Recipient to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Recipient also agrees to defend, indemnify, and hold the State harmless for all costs, expenses and attorneys' fees incurred if the State prevails in an action against the Recipient in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

Recipient shall secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools or government self-retention funds authorized to do business in North Dakota, the following insurance coverages:

- 1) **Commercial general liability and automobile liability** insurance – minimum limits of liability required are **\$250,000 per person and \$1,000,000 per occurrence.**
- 2) **Workers compensation** insurance meeting all statutory limits.
- 3) The State of North Dakota and its agencies, officers, and employees (State) shall be endorsed as an **additional** insured on the commercial general liability and automobile liability policies.
- 4) Said endorsements shall contain a **"Waiver of Subrogation"** in favor of the state of North Dakota.
- 5) The policies and endorsements may not be canceled or modified without **thirty (30) days prior written notice** to the undersigned State representative.

Recipient shall furnish a certificate of insurance evidencing the requirements in 1, 3, and 4 above to the undersigned State representative prior to commencement of this agreement.

The State reserves the right to obtain complete, certified copies of all required insurance documents, policies, or endorsements at any time. If Recipient's insurance will expire prior to the term of this agreement, Recipient shall renew the above requirements and furnish a certificate of insurance evidencing the renewal to the undersigned State representative prior to the expiration of the insurance. Any attorney who represents the State under this policy must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08.

When a portion of a Contract is sublet, the Recipient shall obtain insurance protection (as outlined above) to provide liability coverage to protect the Recipient and the State as a result of work undertaken by the Subcontractor. In addition, the Recipient shall ensure that any and all parties performing work under the Contract are covered by public liability insurance as outlined above. All Subcontractors performing work under the Contract are required to maintain the same scope of insurance required of the Recipient. The Recipient shall be held responsible for ensuring compliance with those requirements by all Subcontractors.

Recipient's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention maintained by the State. Any insurance, self-insurance or self-retention maintained by the State shall be excess of the Recipient's insurance and shall not contribute with it. The insolvency or bankruptcy of the insured Recipient shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Recipient from meeting the retention limit under the policy. Any deductible amount or other obligations under the policy(ies) shall be the sole responsibility of the Recipient. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and be placed with insurers rated "A-" or better by A.M. Best Company, Inc. The State will be indemnified, saved, and held harmless to the full extent of any coverage actually secured by the Recipient in excess of the minimum requirements set forth above.

RM Consulted 2007
Revised 5-09



Dakota Access, LLC
1300 Main St.
Houston, TX 77002

Dear Permittee:

You have submitted to the North Dakota Department of Transportation (NDDOT), in connection with your certificate of insurance, additional pages or language on the certificate which either purports to limit or qualify the information reflected on the certificate of insurance or which purports to change, modify or amend your company's insurance policies. NDDOT policy is to not solicit, review or approve contractors' insurance policies, endorsements or amendments to insurance policies, or insurance documents other than properly completed certificates of insurance. NDDOT contracts specify that contractors are responsible for acquiring and maintaining specified coverages and proof of insurance.

Please have a company executive authorized to execute contract documents sign and date the statement below attesting that your company has insurance coverage consistent with the contract provisions and immediately fax and mail it back to us.

Be advised that execution of this contract will be delayed until these issues have been resolved.

Sincerely,

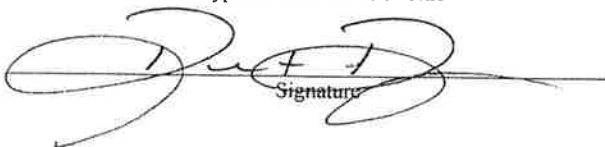
Joel M. Wilt
Williston District Engineer

UTILITY OCCUPANCY APPLICATION AND PERMIT

Dakota Access, LLC; states that the company has, and will maintain in force, insurance coverages (including proof of coverages) consistent with the contract specifications.

Date 2/8/10

Robert Rose Vice President, Land and Right of Way
Type or Print Name & Title


Signature



CERTIFICATE OF LIABILITY INSURANCE

9/15/2016

DATE (MM/DD/YYYY)
2/4/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER LOCKTON COMPANIES 5847 SAN FELIPE, SUITE 320 HOUSTON TX 77057 866-260-3538	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Old Republic Insurance Company	24147
INSURED 1389319 DAKOTA ACCESS, LLC 1300 MAIN STREET HOUSTON, TX 77002	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES CERTIFICATE NUMBER: 13887652 REVISION NUMBER: XXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADOL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER	Y	Y	MWZY 59829 15	9/15/2015	9/15/2016	EACH OCCURRENCE \$ 10,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 10,000,000 MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ 10,000,000 GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COMP/OP AGG \$ 10,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> MCS-90	Y	Y	MWTB 21711 15	9/15/2015	9/15/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 10,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	MWC 117949 15	9/15/2015	9/15/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 10,000,000 E.L. DISEASE - EA EMPLOYEE \$ 10,000,000 E.L. DISEASE - POLICY LIMIT \$ 10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 All policies (except Workers' Compensation/EL) contain a special endorsement with "Primary and Noncontributory" wording.

CERTIFICATE HOLDER

CANCELLATION See Attachment

13887652

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
 608 EAST BOULEVARD AVE.
 BISMARCK ND 58505-0700

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

All policies (except Workers' Compensation/EL) include a blanket automatic additional insured endorsement [provision] that confers additional insured status to the certificate holder only if there is a written contract between the named insured and the certificate holder that requires the named insured to name the certificate holder as an additional insured. In the absence of such a contractual obligation on the part of the named insured, the certificate holder is not an additional insured under the policy.

All policies include a blanket automatic waiver of subrogation endorsement [provision] that provides this feature only when there is a written contract between the named insured and the certificate holder that requires it. In the absence of such a contractual obligation on the part of the named insured, the waiver of subrogation feature does not apply.

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 Main Street, Houston, Texas 77002

(Name and Address of Applicant)

802.989.2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

6 AVE SW (S-12/7)(T-134)(R-79/78)

Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-005.900
6 AVE SW

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016 at

[Signature], North Dakota.

APPROVAL RECOMMENDED:

COUNTY ROAD SUPERINTENDENT

EMMONS COUNTY

[Signature]

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

[Signature]
APPLICANT SIGNATURE

Vice President, Land and Right of Way

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

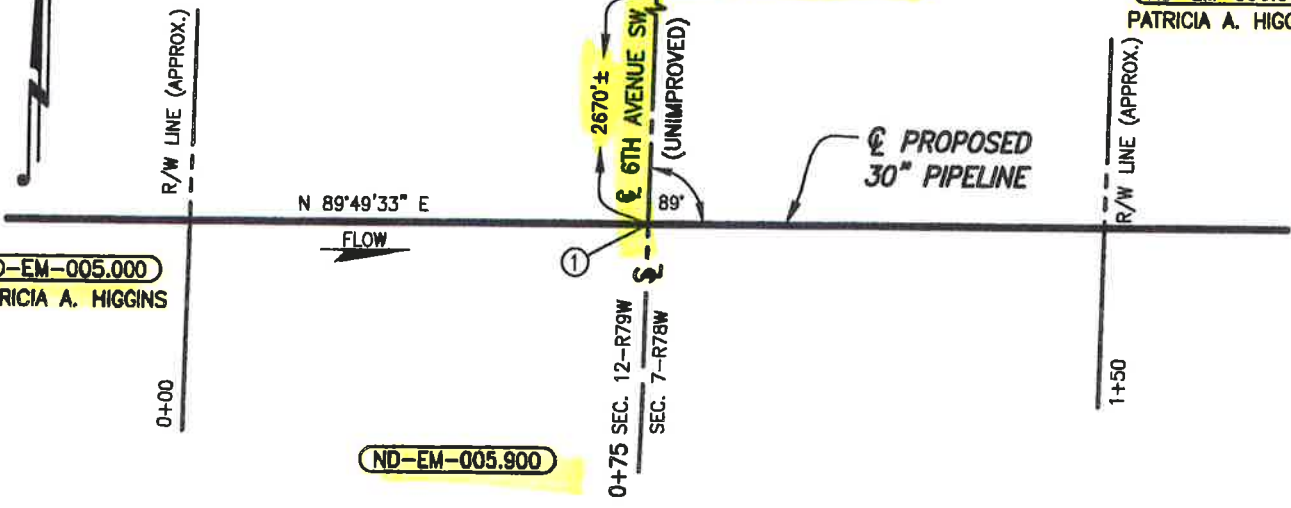
ND-12M-005.900
6 ave SW

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 12 & 7, TOWNSHIP 134 NORTH, RANGES 78 & 79 WEST

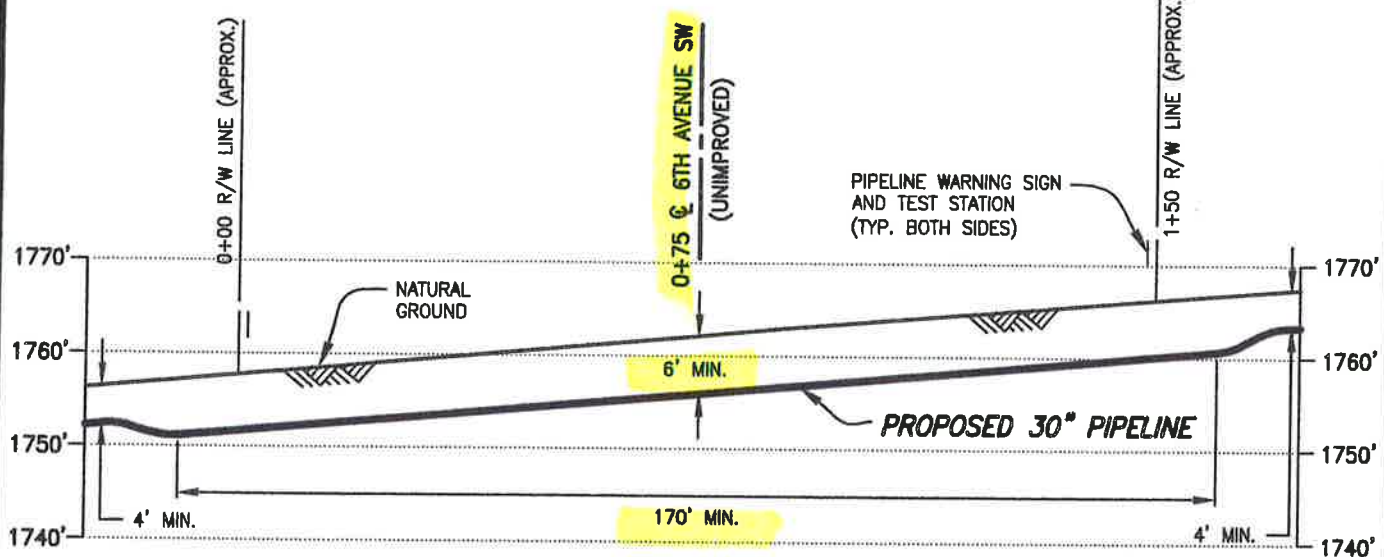
67TH STREET SW

ND-EM-006.000
PATRICIA A. HIGGINS



PLAN

SCALE: 1"=30'



PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

① X=1250441.55
Y=16875859.39

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: 6TH AVENUE SW AT STA. 0+75, ELEV. 1762.05'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8-1.dwg 03/30/2015 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/30/15	OP	ISSUED FOR USE/PERMIT	PA
PROJECT NO. 10395700				
WOOD GROUP MUSTANG, INC. NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C				

DAKOTA ACCESS, LLC			
PROPOSED 30" DAPL PIPELINE CROSSING 6TH AVENUE SW (UNIMPROVED)			
EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: OP	DATE: 03/11/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/13/15	ND-EM-005.900	A
SCALE: AS SHOWN	APP.:		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 Main Street, Houston, Texas 77002
(Name and Address of Applicant)

802-989-2489 (cell)
(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

5 Avenue SW (S-7/8) (T-134) (R-78)
Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline
_____ in accordance with plans,
specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-009.900
5 Ave SW

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Dinton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY



COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

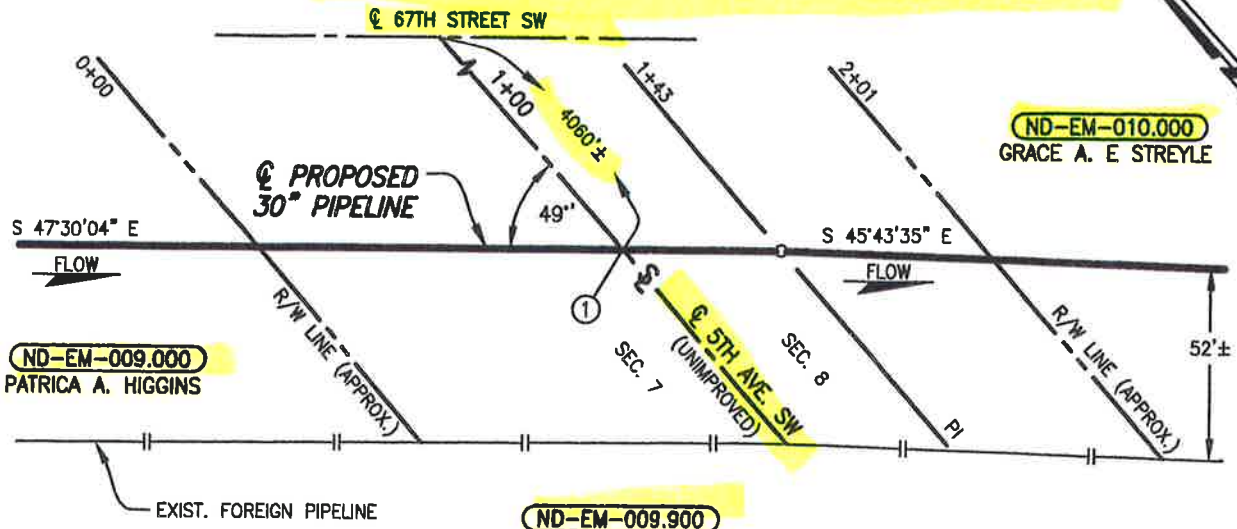
1100 Weiss Avenue, Bismarck, ND 58503

Address that approved permit should be mailed to

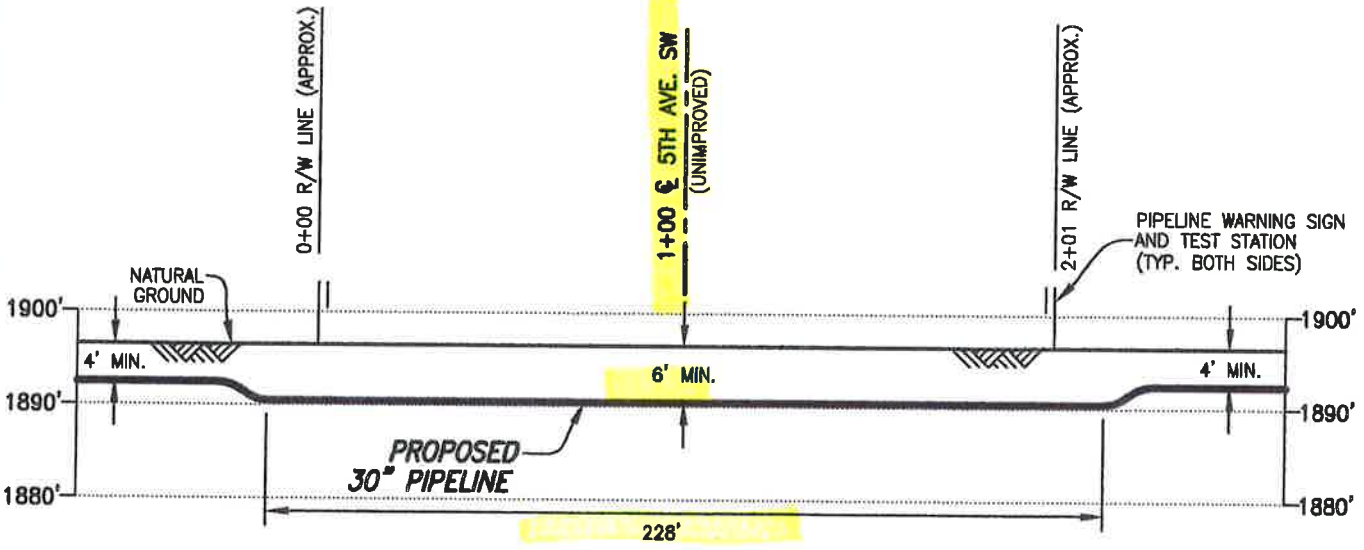
ND-EM-009.900
5 Ave SW

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 7 & 8, TOWNSHIP 134 NORTH, RANGE 78 WEST



PLAN
SCALE: 1"=50'



PROFILE
SCALE: 1"=50' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=1255964.11
 Y=18874195.55
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: \odot 5TH AVENUE SW
 AT STA. 1+00, ELEV. 1896.49'

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-1.dwg -009.900.dwg PLOT DATE: 3/30/2015 BY: MADAMBA, JOEY

A	03/30/15	PRV	ISSUED FOR USE/PERMIT				PA			
REV.	DATE	BY	DESCRIPTION				CHK.			
PROJECT NO.			10395700							
WOOD GROUP MUSTANG, INC. NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C										

DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
 5TH AVENUE SW (UNIMPROVED)**

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: RG	DATE: 03/12/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-009.900	A
SCALE: AS SHOWN	APP.:		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 Main Street, Houston, Texas 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

4 Avenue SW (S-17/16) (T-134) (R-78)

Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-Em-013.900
4 Avenue SW

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

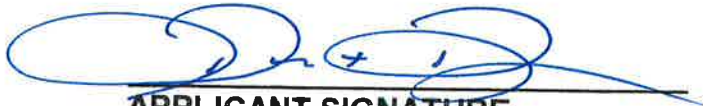
Approved by the County Commissioner of District 1 this day of March 20 16, at

, North Dakota.

APPROVAL RECOMMENDED:

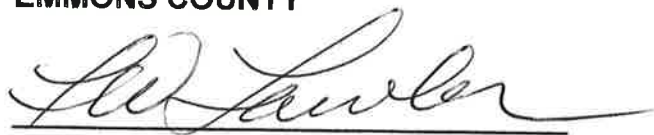
COUNTY ROAD SUPERINTENDENT

**ACCEPTANCE OF TERMS
AND CONDITIONS**



APPLICANT SIGNATURE

EMMONS COUNTY



COUNTY COMMISSIONER

Vice President, Land and Right of Way

TITLE

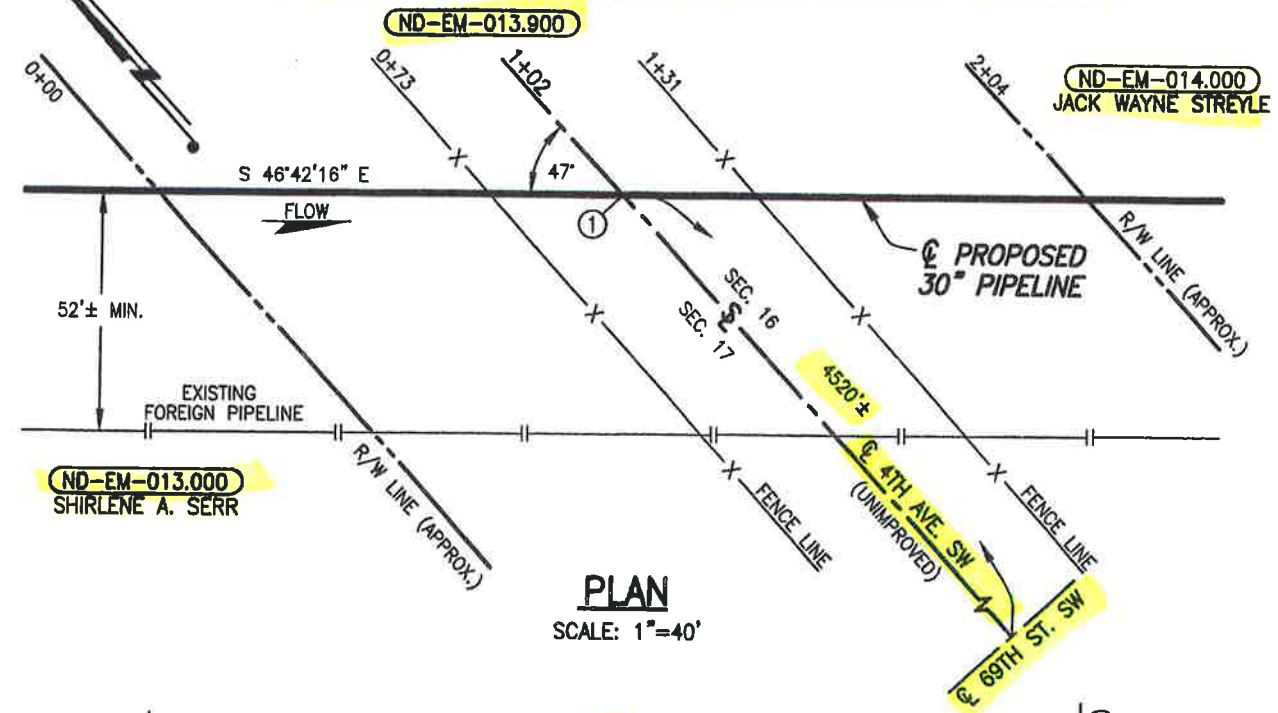
1100 Weiss Avenue, Bismarck, ND 58503

Address that approved permit should be mailed to

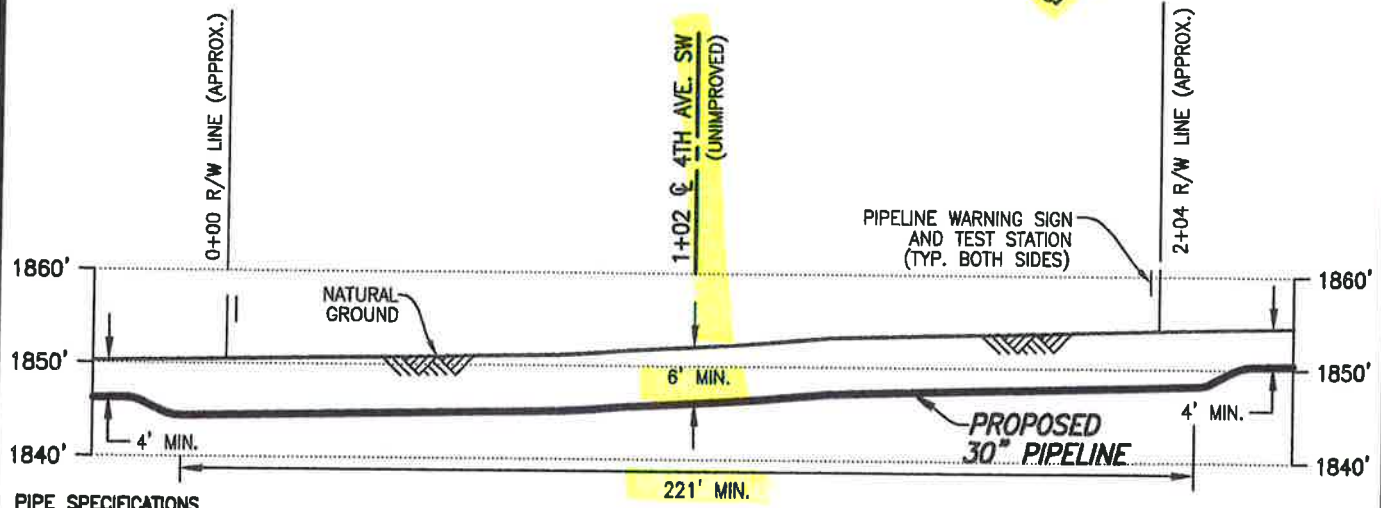
ND-Em-013.900
4 Avenue SW

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 17 & 16, TOWNSHIP 134 NORTH, RANGE 78 WEST



PLAN
SCALE: 1"=40'



PROFILE
SCALE: 1"=40' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

① X=1261193.31
Y=16869499.70
DATUM:
ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 14
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET
T.B.M.: \odot 4TH AVENUE SW
AT STA. 1+02, ELEV. 1852.05'

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-04-013.900.dwg PLOT DATE: 3/30/2015 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/30/15	RG	ISSUED FOR USE/PERMIT	PA

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
4TH AVENUE SW (UNIMPROVED)**

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: JWH	DATE: 03/12/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-013.900	A
SCALE: AS SHOWN	APP.:		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002
(Name and Address of Applicant)

802-989-2489 (cell)
(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

69 STREET SW (S-21)(T-134)(R-78)

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline
in accordance with plans,
specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-Em-016-930
69 STREET SW

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

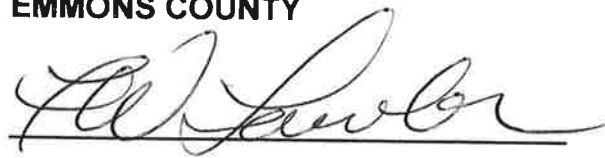
Approved by the County Commissioner of District 1 this day of March, 2016 at Linton, North Dakota.

APPROVAL RECOMMENDED:

COUNTY ROAD SUPERINTENDENT

ACCEPTANCE OF TERMS AND CONDITIONS

EMMONS COUNTY



COUNTY COMMISSIONER

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-016-930
69 STREET SW

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
69 STREET	NORTH	21	134	78		
69 STREET	SOUTH	21	134	78		

Temporary for pipeline construction

Approach Width <small>(Min 24' - Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	yes	18" Both sides

Authorization is hereby given to DAKOTA ACCESS, LLC of Houston, Tx 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

DAKOTA ACCESS, LLC
Applicant


County Road Supt. Approved

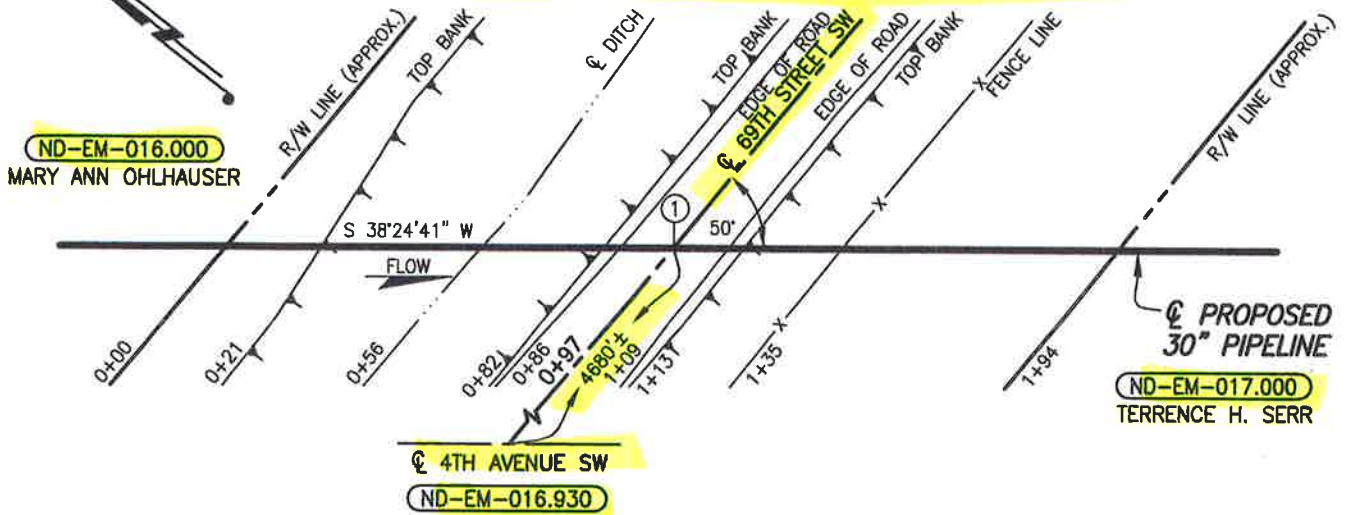
802-989-2489- Cell
Contact # (Phone-Cell)

2-9-16
Dated

WD-ENR-016.930
69 STREET SW

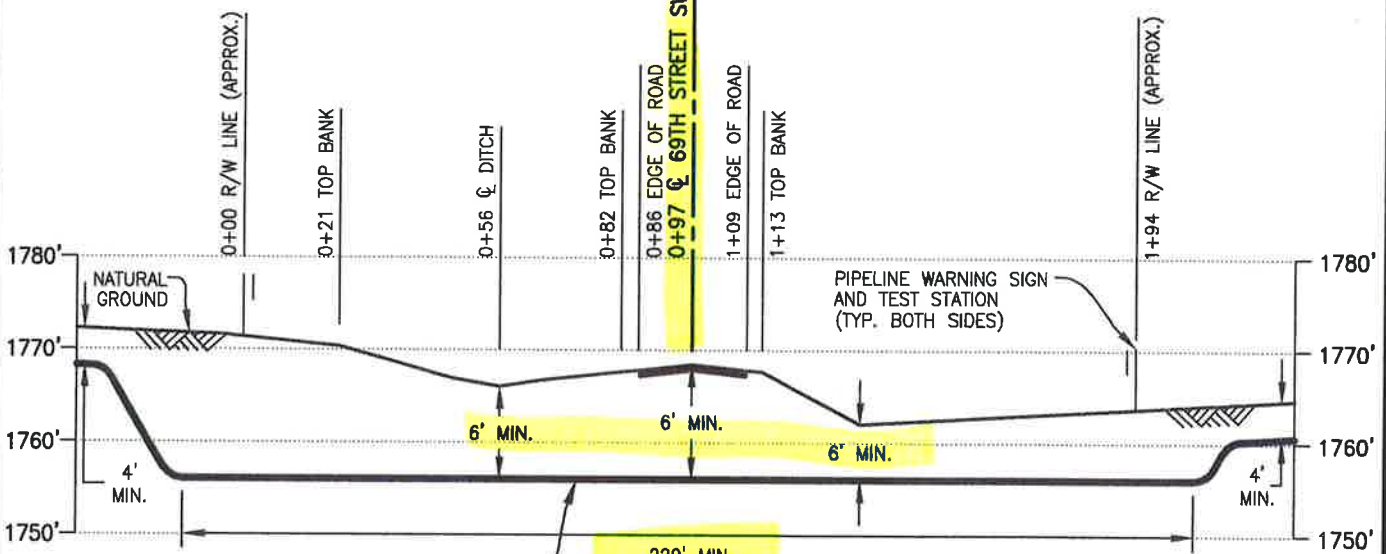
EMMONS COUNTY, NORTH DAKOTA

SECTION 21, TOWNSHIP 134 NORTH, RANGE 78 WEST



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=1265780.46
Y=16864882.73

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 69TH STREET SW AT STA. 0+97, ELEV. 1768.46'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 30" PIPELINE

220' MIN.

REV.	DATE	BY	DESCRIPTION	CHK.
C	01/05/16	PRV	ISSUED FOR USE/PERMIT	RC
B	09/02/15	PRV	ISSUED FOR USE/PERMIT	RC
A	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 69TH STREET SW

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: JTM	DATE: 01/12/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-016.930	C
SCALE: AS SHOWN	APP.:		

FILE: R:\PT\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-ND-16.930.dwg PLOT DATE: 1/5/2016 BY: VILLARREAL, PHIL

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

3 Avenue SW (S-21/22) (T-134) (R-78)

Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-017.900
3 Avenue SW

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Pinton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY



COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

**Vice President, Land and Right of Way
Vice President, Land and Right of Way**



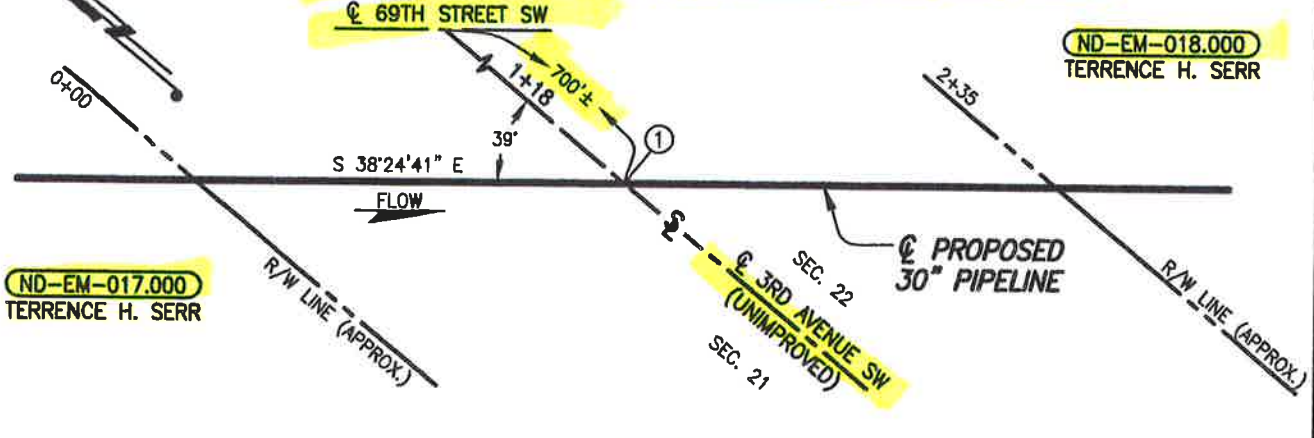
1100 Weiss Avenue, Bismarck, ND 58503

Address that approved permit should be mailed to

ND-EM-017.900
3 Avenue SW

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 21 & 22, TOWNSHIP 134 NORTH, RANGE 78 WEST



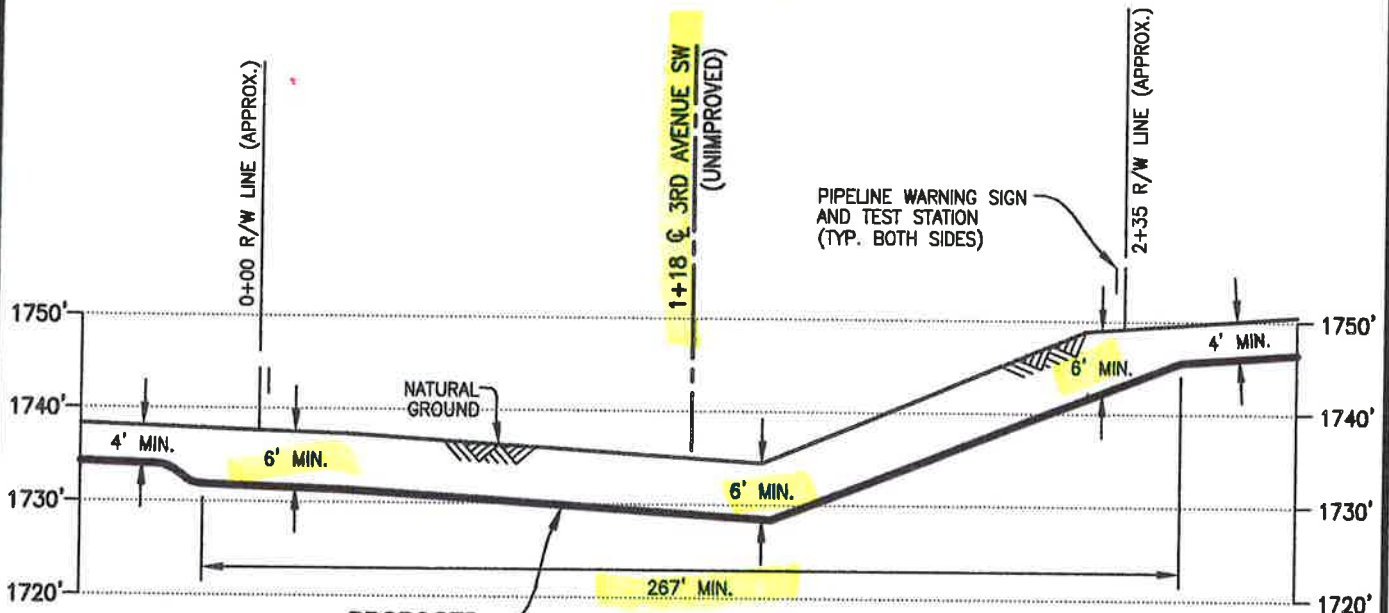
ND-EM-017.000
TERRENCE H. SERR

ND-EM-018.000
TERRENCE H. SERR

ND-EM-017.900

PLAN

SCALE: 1"=20'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED
30" PIPELINE

PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=1266327.43
Y=16864192.91

DATUM:

ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 14
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET

T.B.M.: \odot 3RD AVENUE SW (UNIMPROVED)
AT STA. 1+18, ELEV. 1734.48'

REV.	DATE	BY	DESCRIPTION	CHK.
B	09/02/15	PRV	ISSUED FOR USE/PERMIT	RC
A	03/30/15	RG	ISSUED FOR USE/PERMIT	PA



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 3RD AVENUE SW (UNIMPROVED)

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 03/12/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-017.900	B
SCALE: AS SHOWN	APP.:		



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

FILE: R:\cis\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-.JM-017.900.dwg PLOT DATE: 9/3/2015 BY: VILLARREAL, PHIL

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002
(Name and Address of Applicant)

802-989-2489 (cell)
(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

70 STREET SW (S-22/27)(T-134)(R-78)
Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline
in accordance with plans,
specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

IND-EM-018.910
70 STREET SW

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Sinton, North Dakota.

APPROVAL RECOMMENDED:

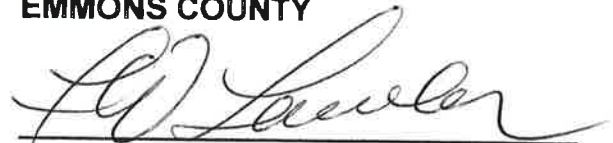
COUNTY ROAD SUPERINTENDENT

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

EMMONS COUNTY



COUNTY COMMISSIONER

Vice President, Land and Right of Way

TITLE

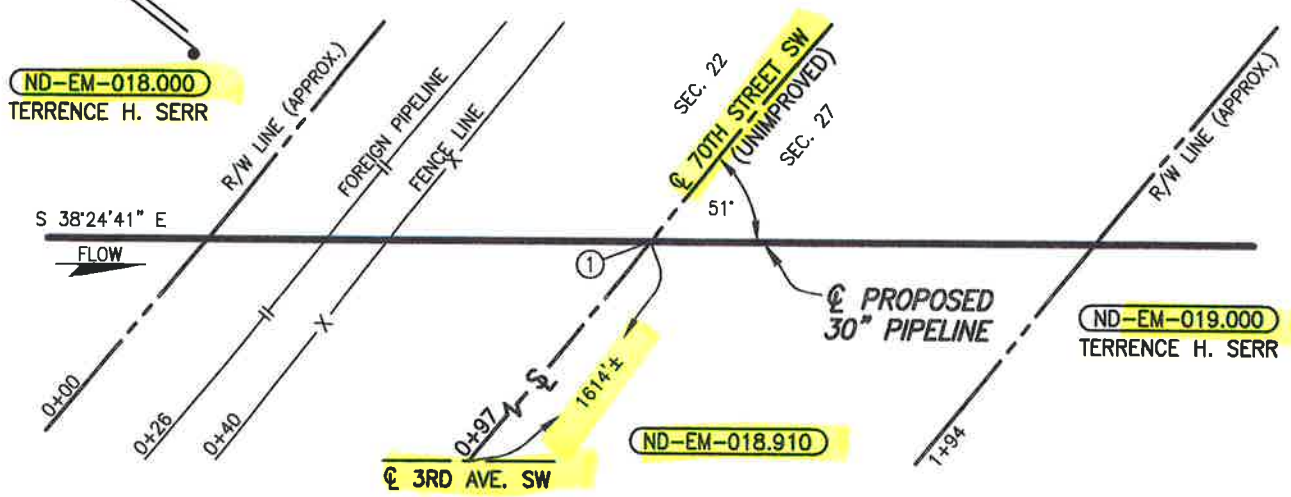
1100 Weiss Avenue, Bismarck, ND 58503

Address that approved permit should be mailed to

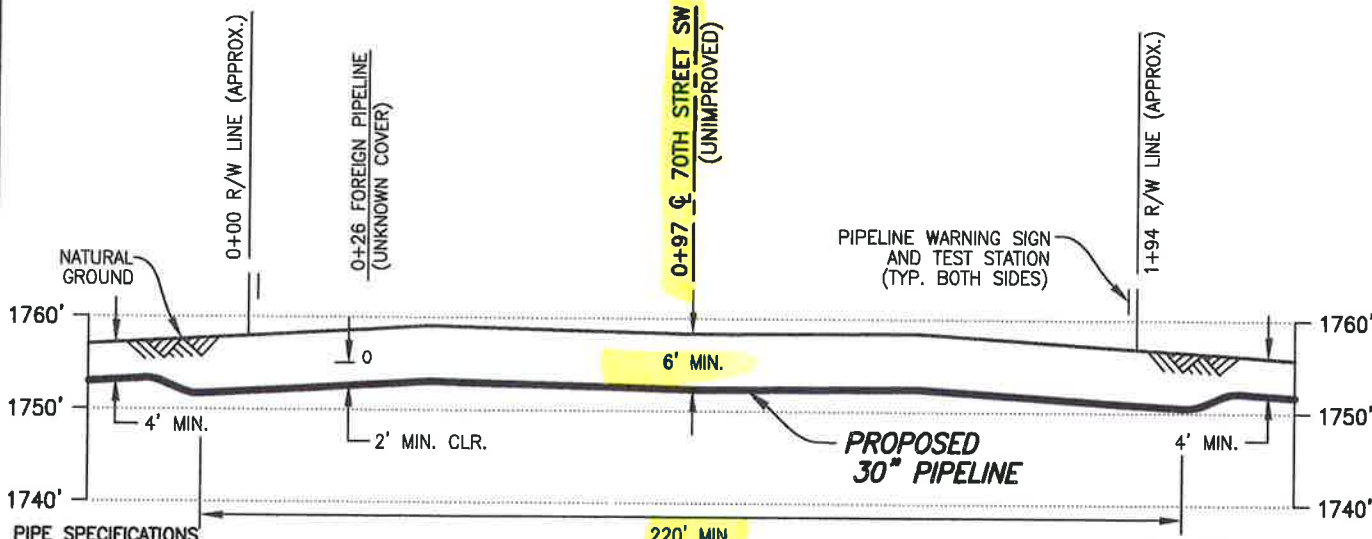
*ND-EM-018.910
70 STREET SW*

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 22 & 27, TOWNSHIP 134 NORTH, RANGE 78 WEST



PLAN
SCALE: 1"=40'



PROFILE
SCALE: 1"=40' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

DATUM:
 ① X=1267941.96
 Y=16862156.71
 ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: \odot 70TH STREET SW (UNIMPROVED) AT STA. 0+97, ELEV. 1758.30'

REV.	DATE	BY	DESCRIPTION	CHK.
B	01/07/16	OP	ISSUED FOR USE/PERMIT	RC
A	03/30/15	RG	ISSUED FOR USE/PERMIT	PA

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

PROPOSED 30" DAPL PIPELINE CROSSING 70TH STREET SW (UNIMPROVED)

EMMONS COUNTY NORTH DAKOTA

DRAWN BY: JWH	DATE: 03/12/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-018.910	B
SCALE: AS SHOWN	APP.:		

FILE: R:\PI\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8-ND-18.910.dwg PLOT DATE: 1/7/2016 BY: PALACIOS, OSCAR

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 Main Street, Houston, Texas 77002

(Name and Address of Applicant)

802.989.2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

2 Avenue SW (S-27/26)(T-134)(R-78)

Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-021.900
2 Avenue SW

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.


WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2002, at Quinta, North Dakota.

APPROVAL RECOMMENDED:

COUNTY ROAD SUPERINTENDENT

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

EMMONS COUNTY



COUNTY COMMISSIONER

Vice President, Land and Right of Way

TITLE

1100 Weiss Avenue, Bismarck, ND 58503

Address that approved permit should be mailed to

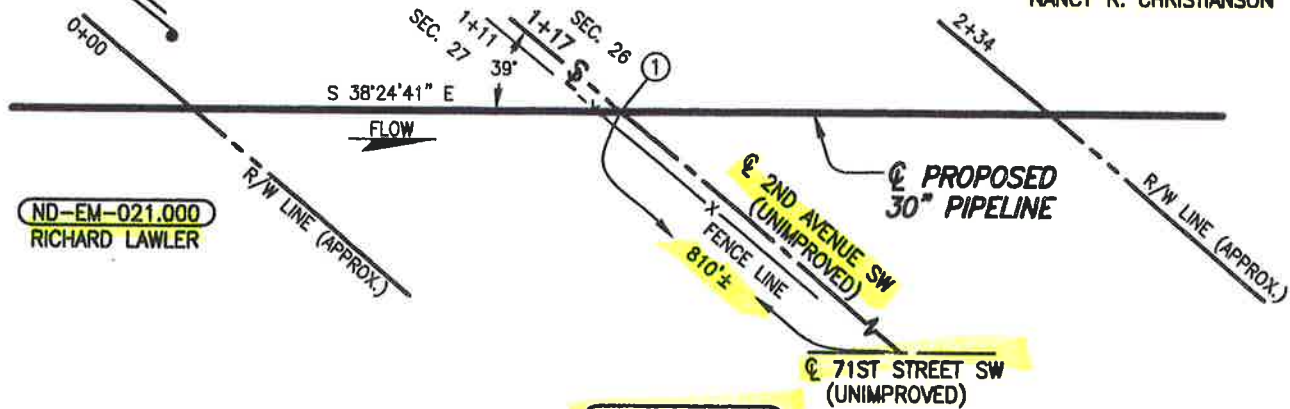
ND-EM-021.900
2 Avenue SW

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 26 & 27, TOWNSHIP 134 NORTH, RANGE 78 WEST

ND-EM-022.000
NANCY R. CHRISTIANSON

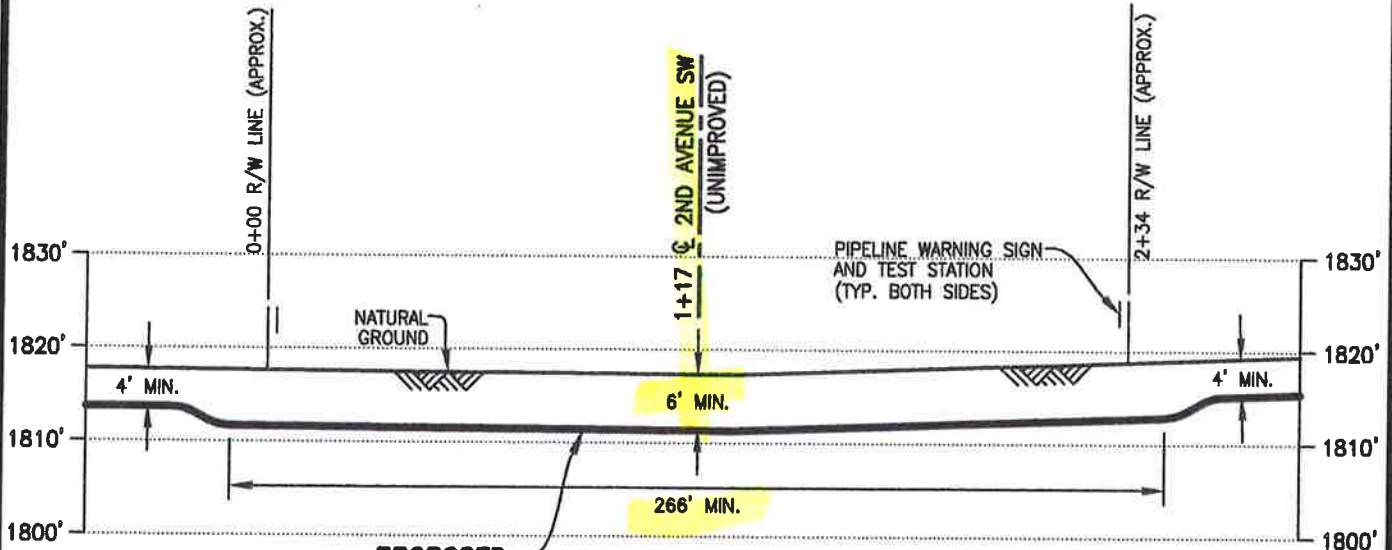
ND-EM-021.000
RICHARD LAWLER



ND-EM-021.900

PLAN

SCALE: 1"=50'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 30" PIPELINE

PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=1271489.41
Y=16857682.76

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: \odot 2ND AVENUE SW (UNIMPROVED) AT STA. 1+17, ELEV. 1817.33'

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8.dwg DATE: 3/30/2015 BY: MADAMBA, JOE

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/30/15	RG	ISSUED FOR USE/PERMIT	PA

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 827C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 2ND AVENUE SW (UNIMPROVED)

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 03/13/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-021.900	A
SCALE: AS SHOWN	APP.:		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 Main Street, Houston, Texas 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

71 STREET SW (26/35) (T-134) (R-78)

Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-022900
71 street SW

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Sinton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]

APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503

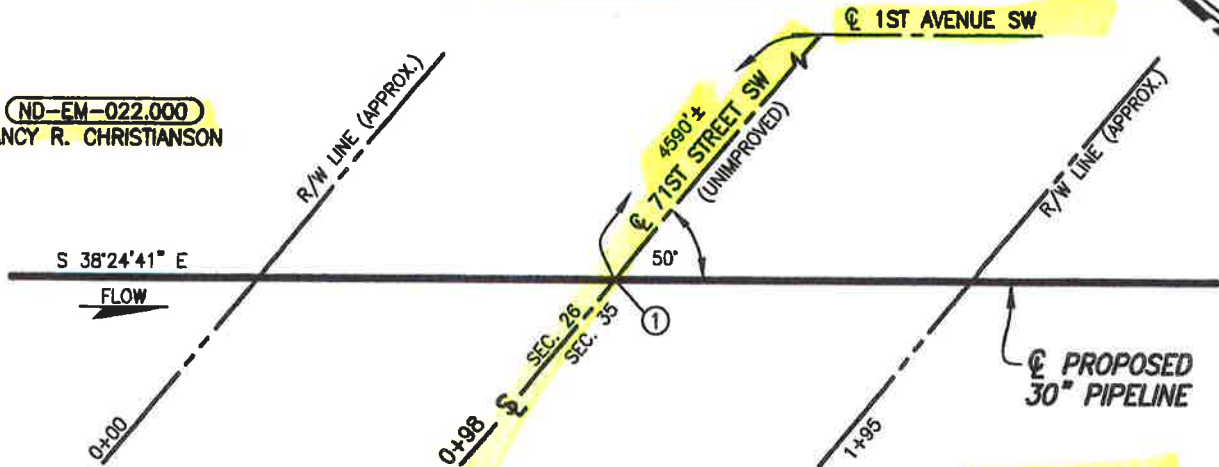
Address that approved permit should be mailed to

ND-Em-022.900
71 Street SW

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 26 & 35, TOWNSHIP 134 NORTH, RANGE 78 WEST

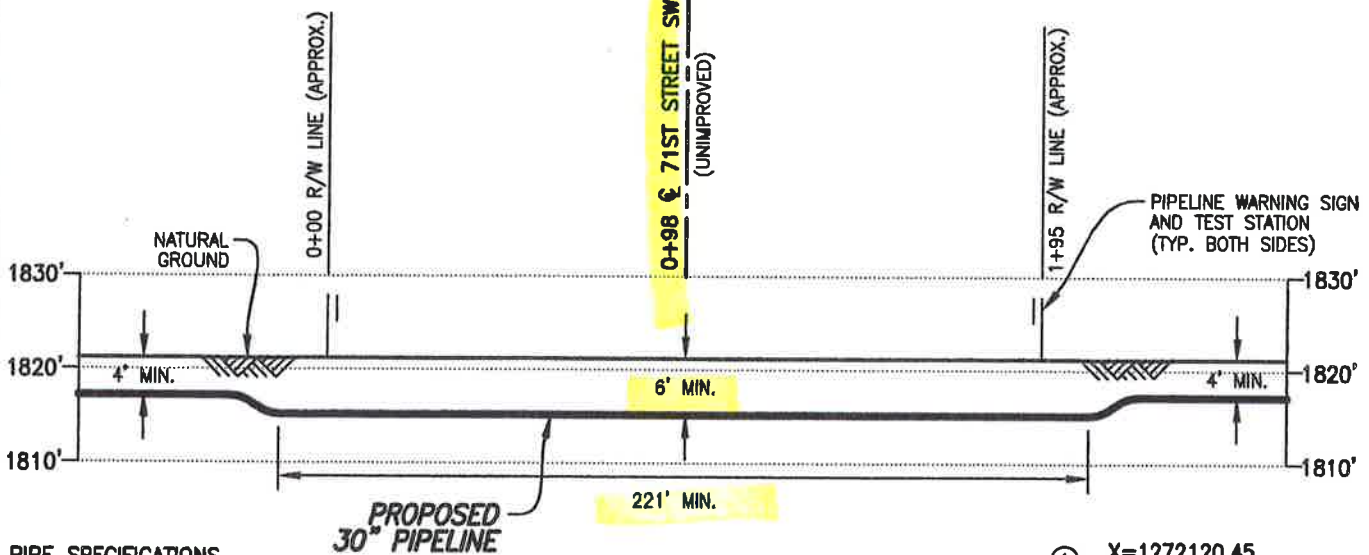
ND-EM-022.000
NANCY R. CHRISTIANSON



ND-EM-022.900

ND-EM-023.000
JOSEPHINE G.
COWPERTHWAIT TRUST

PLAN
SCALE: 1"=50'



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE
 SCALE: 1"=50' HORIZ.
 1"=20' VERT.

① X=1272120.45
 Y=16856886.92
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: \odot 71ST STREET SW
 AT STA. 0+98, ELEV. 1821.16'

A	03/30/15	RG	ISSUED FOR USE/PERMIT	PA
REV.	DATE	BY	DESCRIPTION	CHK.

PROJECT NO. **10395700**



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 71ST STREET SW (UNIMPROVED)

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: RG	DATE: 03/13/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-022.900	A
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-.dwg 3/30/2015 BY: MADAMBA, JOEY

EMMONS COUNTY UTILITY PERMIT

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

72 STREET SW (S-35/2)(T-134/133)(R-78)

Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE OIL PIPELINE

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-025.900
72 STREET SW

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Sinton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

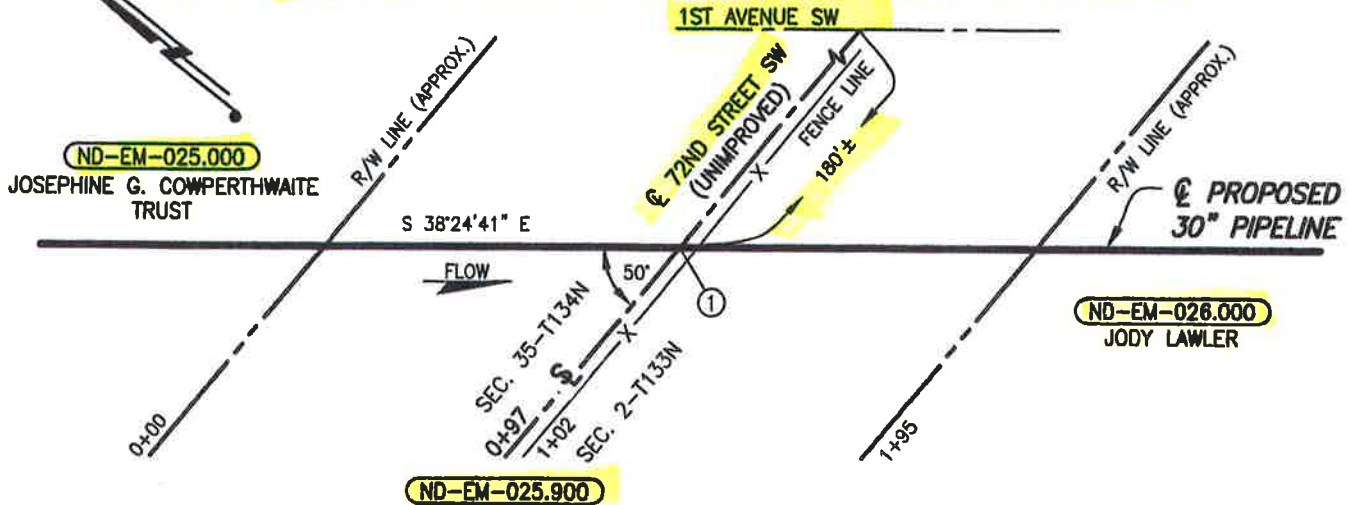
TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

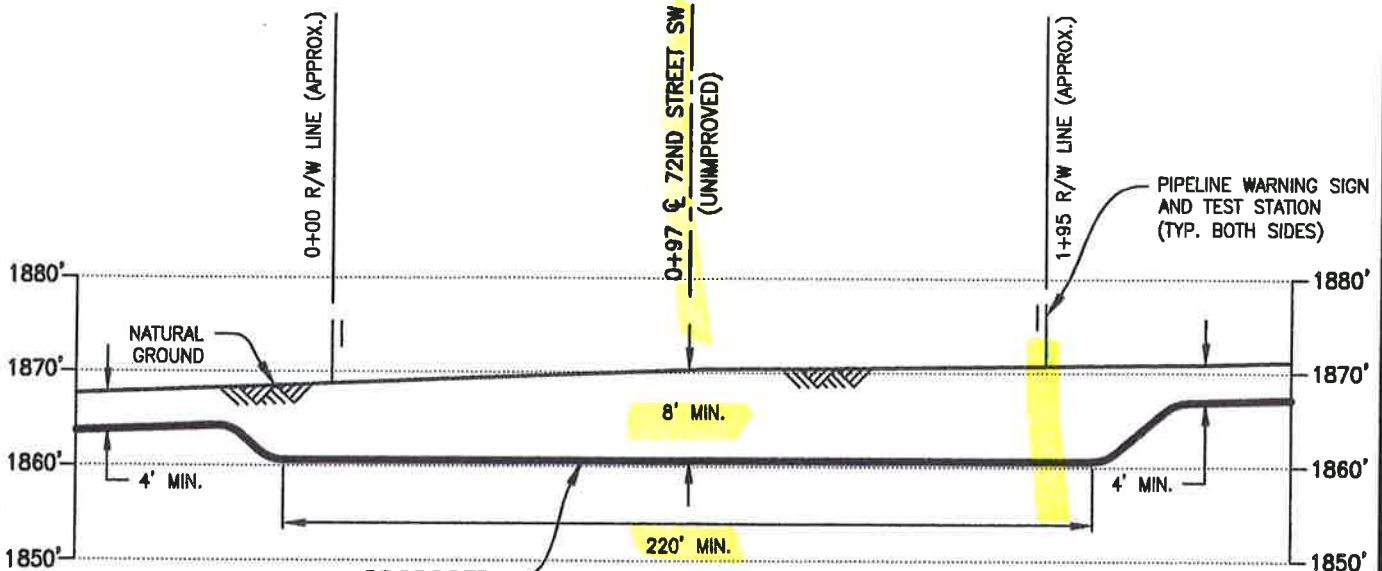
ND-EM-025.900
72 STREET SW

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 2 & 35, TOWNSHIPS 133 & 134 NORTH, RANGE 78 WEST



PLAN
SCALE: 1"=50'



PROPOSED 30" PIPELINE

PROFILE
SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=1276412.30
Y=16851474.16

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: 72ND STREET SW AT STA. 0+97, ELEV. 1870.42'

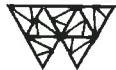
PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8.dwg M-025.900.dwg PLOT DATE: 3/30/2015 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/30/15	RG	ISSUED FOR USE/PERMIT	PA

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 72ND STREET SW (UNIMPROVED)

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: OP	DATE: 03/12/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-025.900	A
SCALE: AS SHOWN	APP.:		

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Dinton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Handwritten Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Handwritten Signature]
APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-027.910
1 Avenue SW

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
1st Avenue SW	NW	1	133	78		
1st Avenue SW	SE	1	133	78		

Temporary for pipeline construction

Approach Width <small>(Min 24' – Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	NO	

Authorization is hereby given to DAKOTA ACCESS, LLC of 1300 main st., Houston, Tx 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

DAKOTA ACCESS, LLC
Applicant

[Signature]
County Road Supt. Approved

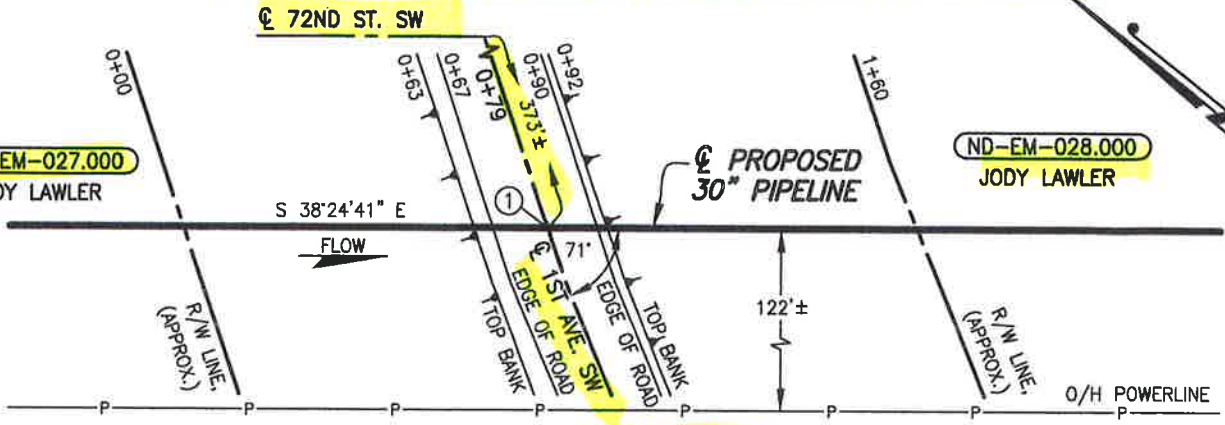
802-989-2489-Cell
Contact # (Phone-Cell)

2-9-16
Dated

ND-EM-027,910 1 Avenue SW

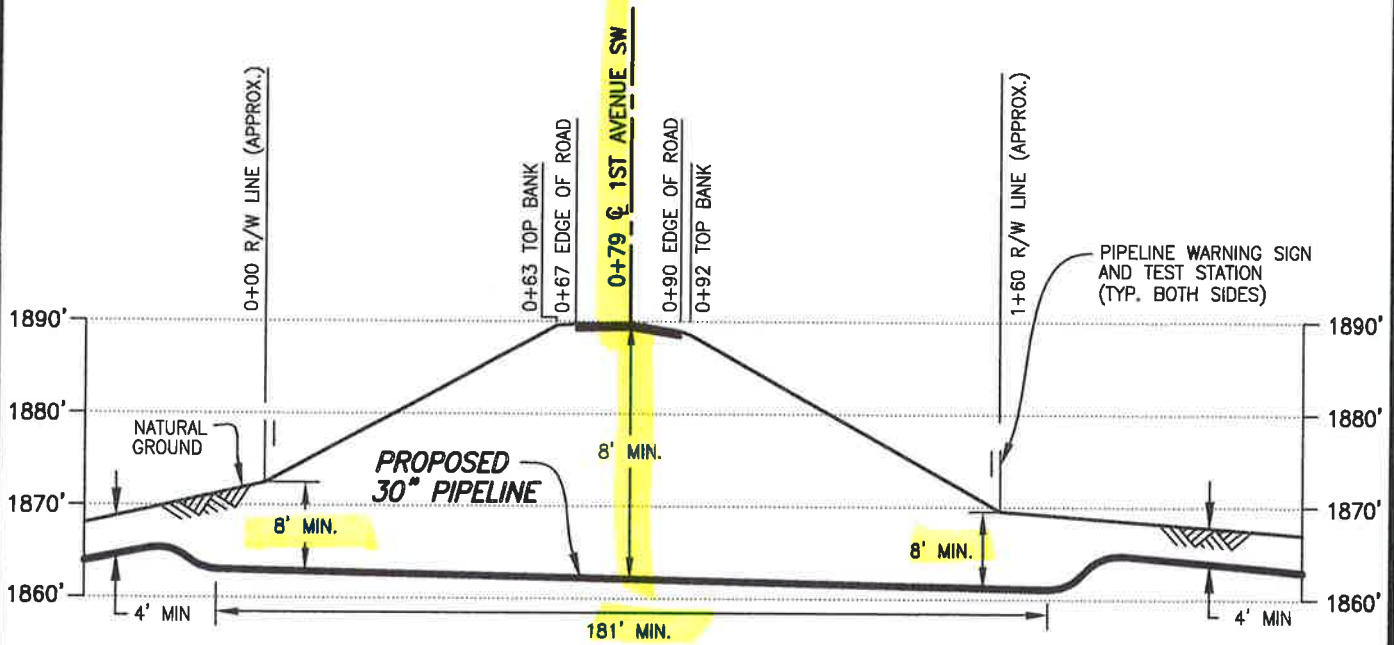
EMMONS COUNTY, NORTH DAKOTA

SECTION 1, TOWNSHIP 133 NORTH, RANGE 78 WEST



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X= 1276737.69
Y= 16851063.79

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 1ST AVENUE SW AT STA. 0+79, ELEV. 1889.81'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
D	01/05/16	JTM	ISSUED FOR USE/PERMIT	RC
C	08/02/15	JTM	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 1ST AVENUE SW

PROJECT NO. 10395700

EMMONS COUNTY NORTH DAKOTA



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: PRV	DATE: 11/17/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-027.910	D
SCALE: AS SHOWN	APP.:		

27.910.dwg PLOT DATE: 1/5/2016 BY: MADAMBA, JOEY

103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8-ND-

FILE: R:\P\

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Pipeline - Permanent To Launcher/Receiver Site

“Applicant” requests permission to construct a Private/commercial/industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
1ST AVE. SW	EAST	1	133	78		

Approach Width <small>(Min 24' – Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	NO	

Authorization is hereby given to DAKOTA ACCESS, LLC of 1300 main St., Houston, Tx 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant

[Signature]
County Road Supt. Approved

802-989-2489-Cell
Contact # (Phone-Cell)

2-9-16
Dated

ND-EM-028.000 L/R#2

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

72 1/2 STREET (S-1) (T-133) (R-78)

Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-Em -028-900
72 1/2 STREET

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016 at

Sioux, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

COUNTY ROAD SUPERINTENDENT

[Signature]
COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

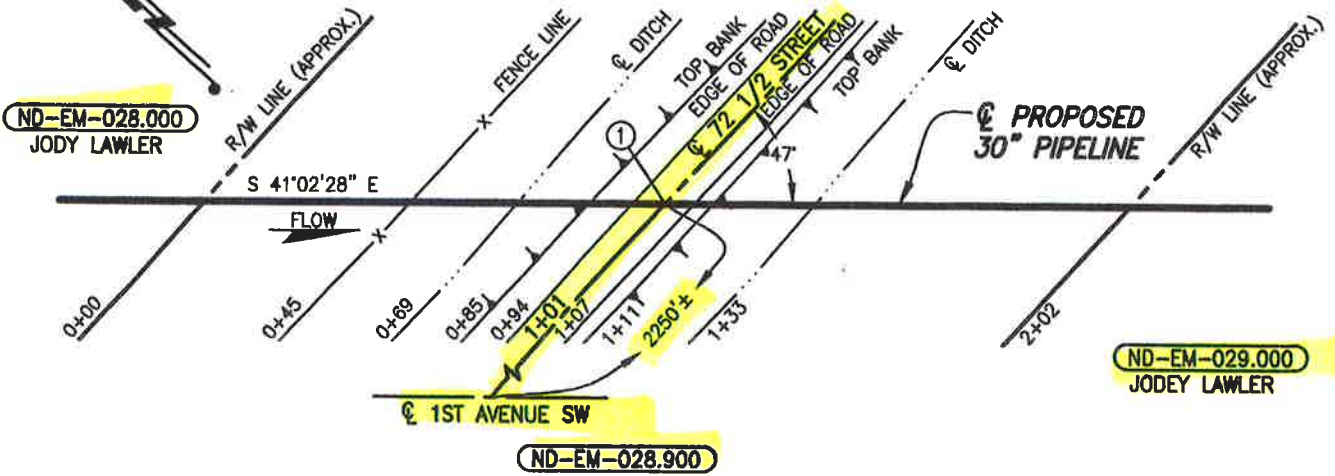
TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-028.900
72 1/2 STREET

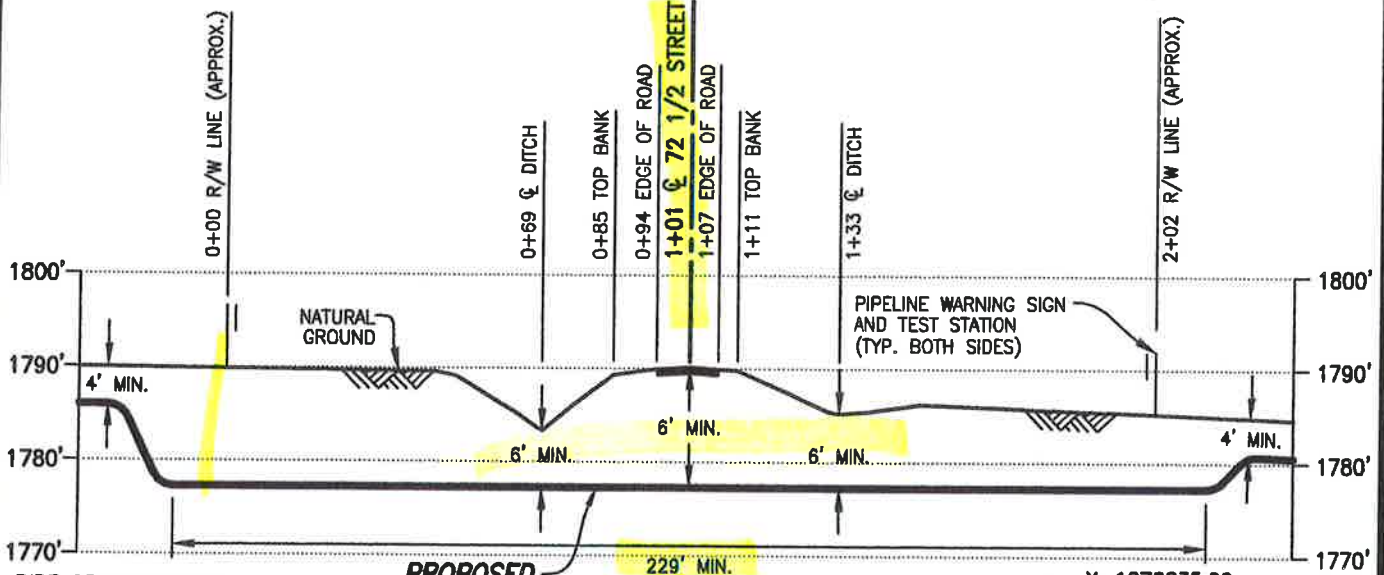
EMMONS COUNTY, NORTH DAKOTA

SECTION 1, TOWNSHIP 133 NORTH, RANGE 78 WEST



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=1278835.20
Y=16848638.23

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: C 72 1/2 STREET
 AT STA. 1+01, ELEV. 1790.17'

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-N..._c.m-028.900.dwg PLOT DATE: 3/30/2015 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/30/15	RG	ISSUED FOR USE/PERMIT	PA

PROJECT NO. **10395700**



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 72 1/2 STREET

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 01/16/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-028.900	A
SCALE: AS SHOWN	APP.:		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002
(Name and Address of Applicant)

802-989-2489 (cell)
(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

73 STREET SW (S-1/12) (T-133) (R-78)
Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline
in accordance with plans,
specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-030.900
73 STREET SW

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.


- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016 at Linton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY



COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way


APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503

Address that approved permit should be mailed to

ND-Em-030.900
73 Street SW

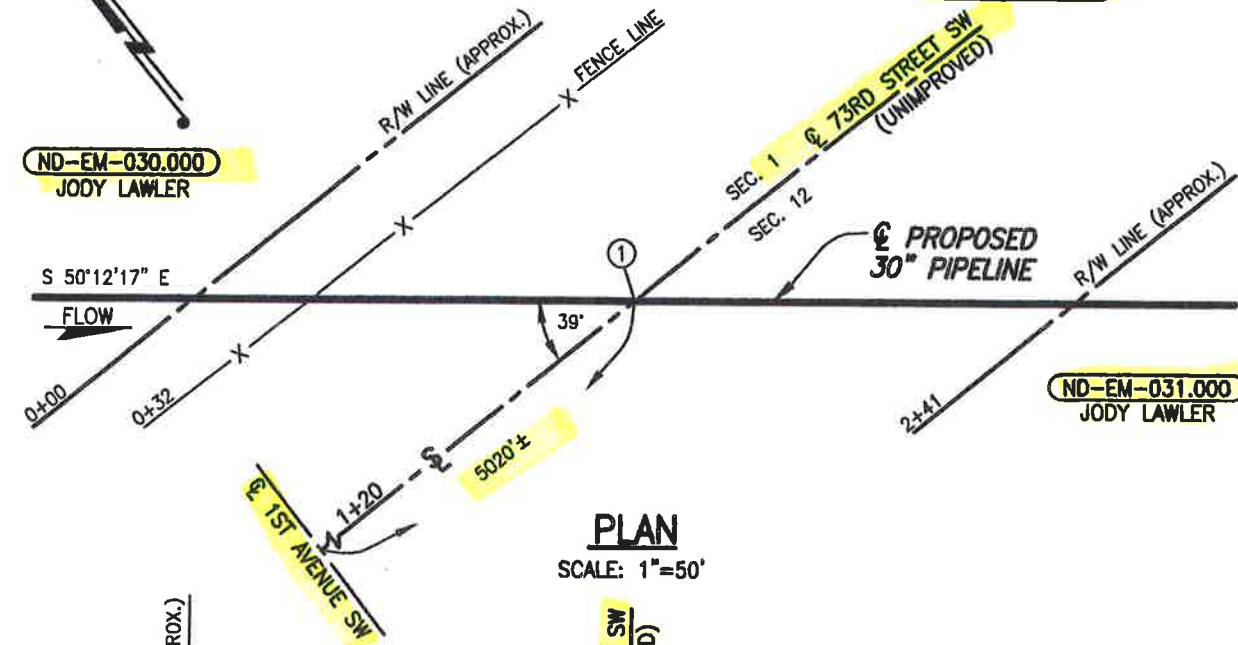
EMMONS COUNTY, NORTH DAKOTA

SECTIONS 1 & 12, TOWNSHIP 133 NORTH, RANGE 78 WEST

ND-EM-030.900

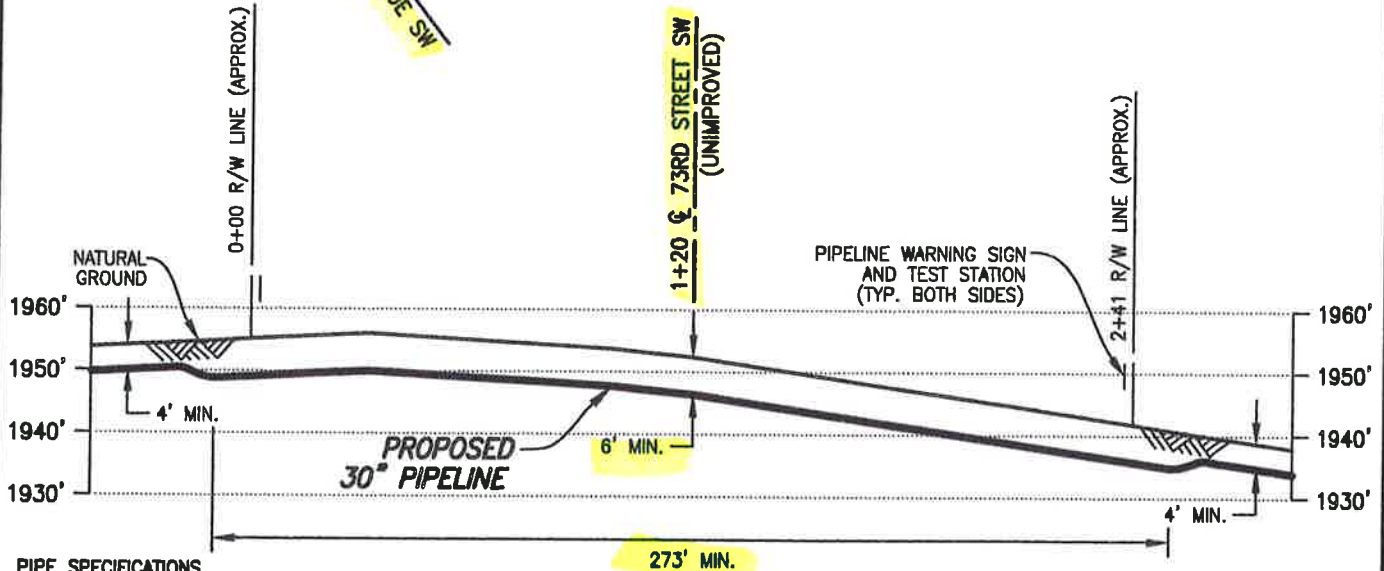
ND-EM-030.000
JODY LAWLER

ND-EM-031.000
JODY LAWLER



PLAN

SCALE: 1"=50'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=50' HORIZ.
1"=30' VERT.

DATUM:

① X=1281576.18
Y=16845872.57

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 73RD STREET SW (UNIMPROVED) AT STA. 1+20, ELEV. 1952.38'

FILE: R:\...cts\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-...-M-030.900.dwg PLOT DATE: 3/30/2015 BY: MADAMBA JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/30/15	OP	ISSUED FOR USE/PERMIT	PA

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 73RD STREET SW (UNIMPROVED)

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: JWH	DATE: 03/13/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-030.900	A
SCALE: AS SHOWN	APP.:		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 Main Street, Houston, Texas 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

Main Avenue (S-12/17)(T-133)(R-78/17)

Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans,
specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-031.900
Main Avenue

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016 at

Jinton, North Dakota.

APPROVAL RECOMMENDED:

COUNTY ROAD SUPERINTENDENT

**ACCEPTANCE OF TERMS
AND CONDITIONS**

EMMONS COUNTY

[Signature]

COUNTY COMMISSIONER

Vice President, Land and Right of Way

TITLE

[Signature]
APPLICANT SIGNATURE

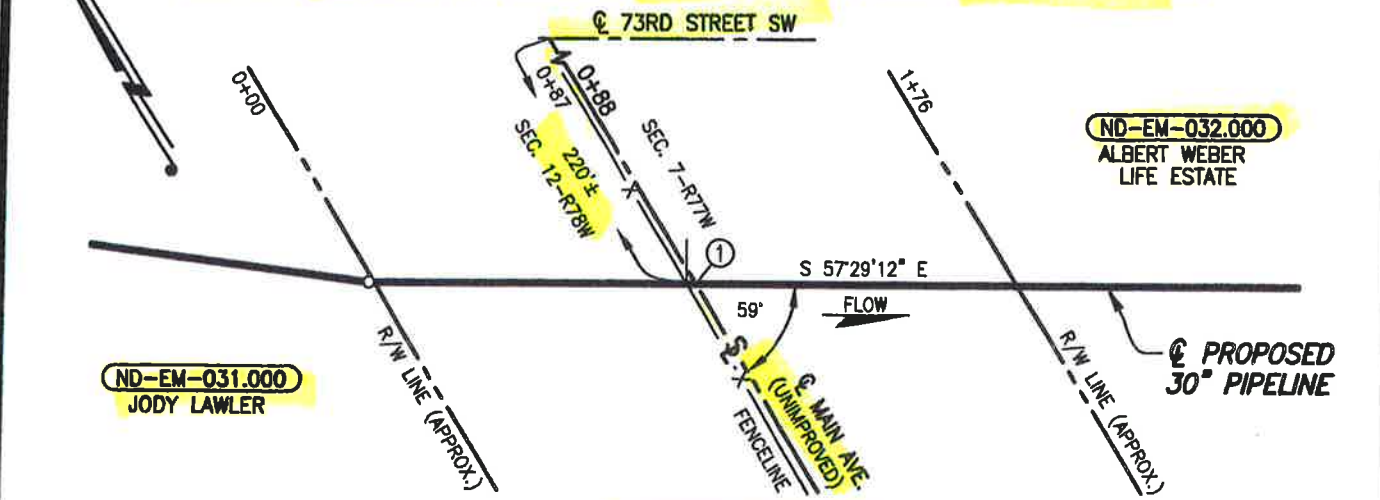
1100 Weiss Avenue, Bismarck, ND 58503

Address that approved permit should be mailed to

ND-EM-031.900
Main Avenue

EMMONS COUNTY, NORTH DAKOTA

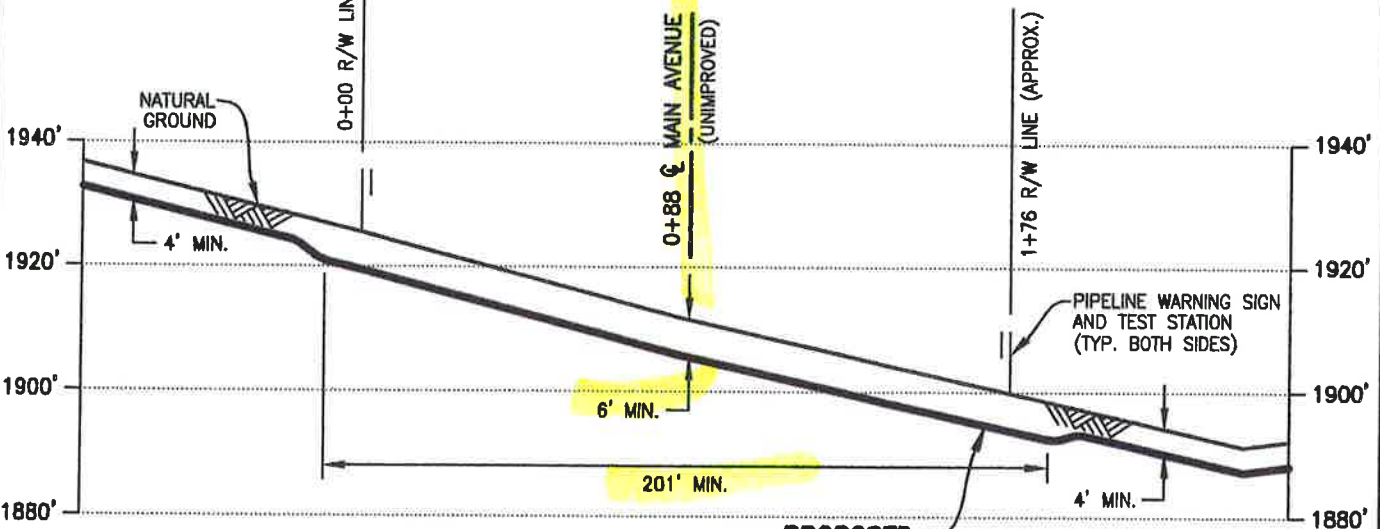
SECTIONS 12 & 7, TOWNSHIP 133 NORTH, RANGES 78 & 77 WEST



ND-EM-031.900

PLAN

SCALE: 1"=50'



PROPOSED 30" PIPELINE

① X=1281797.06
Y=16845716.23

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot MAIN AVE AT STA. 0+88, ELEV. 1911.78'

PROFILE

SCALE: 1"=50' HORIZ.
1"=30' VERT.

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

FILE: R:\P. \103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-NL...-031.900.dwg PLOT DATE: 4/22/2015 BY: HUMBERSON, JEREMY

REV.	DATE	BY	DESCRIPTION	CHK.
A	04/22/15	PRV	ISSUED FOR USE/PERMIT	PN

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING MAIN AVENUE (UNIMPROVED)

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: RG	DATE: 03/13/15	DWG. NO.	REV.
CHECKED BY: PN	DATE: 04/15/15	ND-EM-031.900	A
SCALE: AS SHOWN	APP.:		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

74 STREET SE (S-7/18) (T-133) (R-77)

Facilities to be installed pursuant to this permit are 30" CRUDE OIL PIPELINE

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

NDEM-034.910

74 ST SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Sinton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-034.910
74 ST SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

"Applicant" requests permission to construct a private/commercial/industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
74 ST. SE	N	7	133	77		
74 ST. SE	S	18	133	77		

Temporary for pipeline construction

Approach Width <small>(Min 24' - Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	NO	

Authorization is hereby given to Dakota Access, LLC of 1300 main st., Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

DAKOTA ACCESS, LLC
Applicant


County Road Supt. Approved

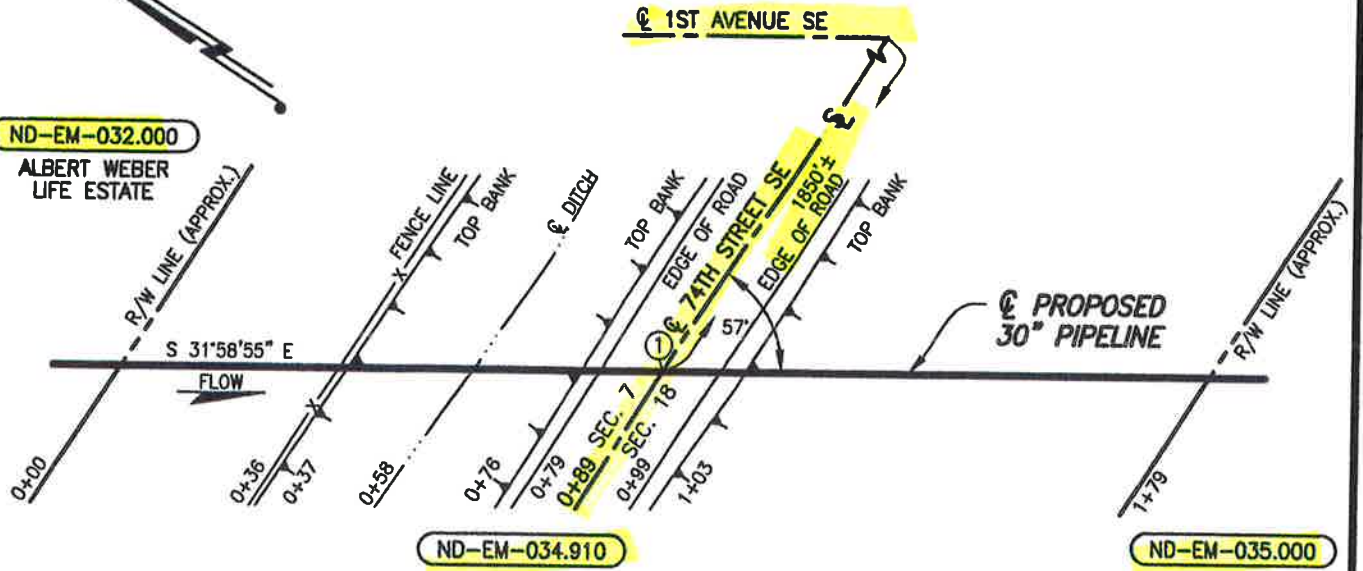
802-989-2489-Cell
Contact # (Phone-Cell)

2-9-16
Dated

ND-EM-034-910 74 ST. SE

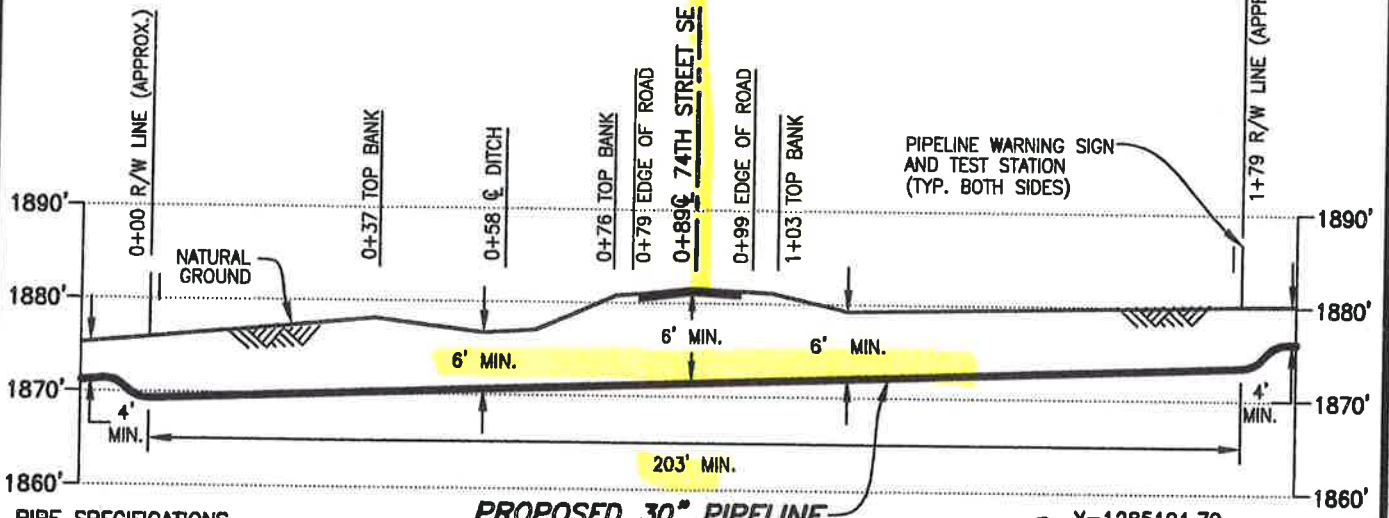
EMMONS COUNTY, NORTH DAKOTA

SECTIONS 7 & 18, TOWNSHIP 133 NORTH, RANGE 77 WEST



PLAN

SCALE: 1"=30'



PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

① X=1285191.70
Y=16840563.71

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET T.B.M.: & 74TH STREET SE AT STA. 0+89, ELEV. 1881.61'

C	09/02/15	PRV	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	
REV.	DATE	BY	DESCRIPTION	CHK.



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 74TH STREET SE

PROJECT NO. 10395700

EMMONS COUNTY

NORTH DAKOTA



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: TD

DATE: 09/22/2014

DWG. NO.

REV.

CHECKED BY: RC

DATE: 03/02/15

SCALE: AS SHOWN

APP.:

ND-EM-034.910

C

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002
(Name and Address of Applicant)

802.989.2489 (cell)
(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

1st Avenue SE (S-18/17)(T-133)(R-77)
Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline
in accordance with plans,
specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-036.900
1st Avenue SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.


Approved by the County Commissioner of District 1 this day of March, 2016, at Sinton, North Dakota.

APPROVAL RECOMMENDED:

COUNTY ROAD SUPERINTENDENT

ACCEPTANCE OF TERMS AND CONDITIONS

EMMONS COUNTY



COUNTY COMMISSIONER

Vice President, Land and Right of Way

TITLE


APPLICANT SIGNATURE

1100 Weiss Avenue, Bismarck, ND 58503

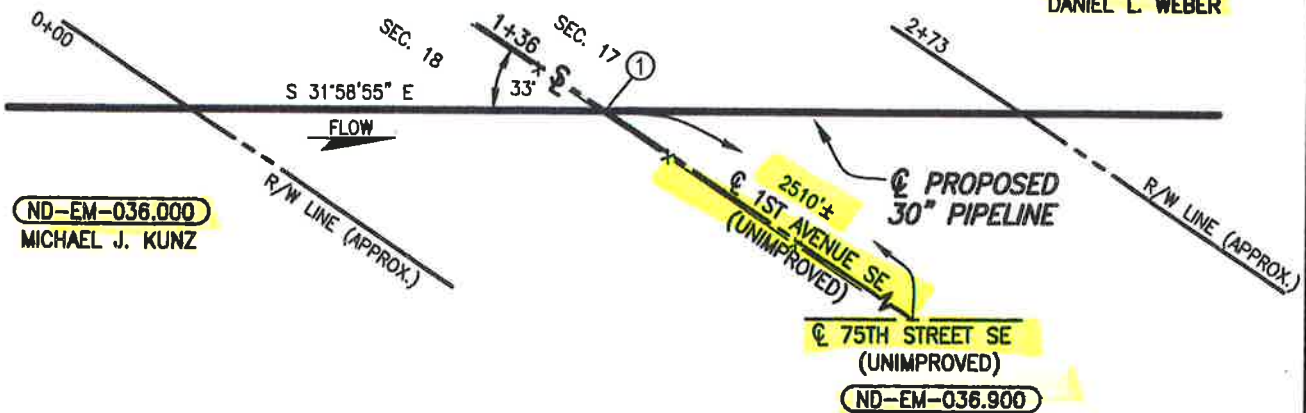
Address that approved permit should be mailed to

ND-EM-036.900
1 ST Avenue SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 17 & 18, TOWNSHIP 133 NORTH, RANGE 77 WEST

ND-EM-037.000
DANIEL L. WEBER

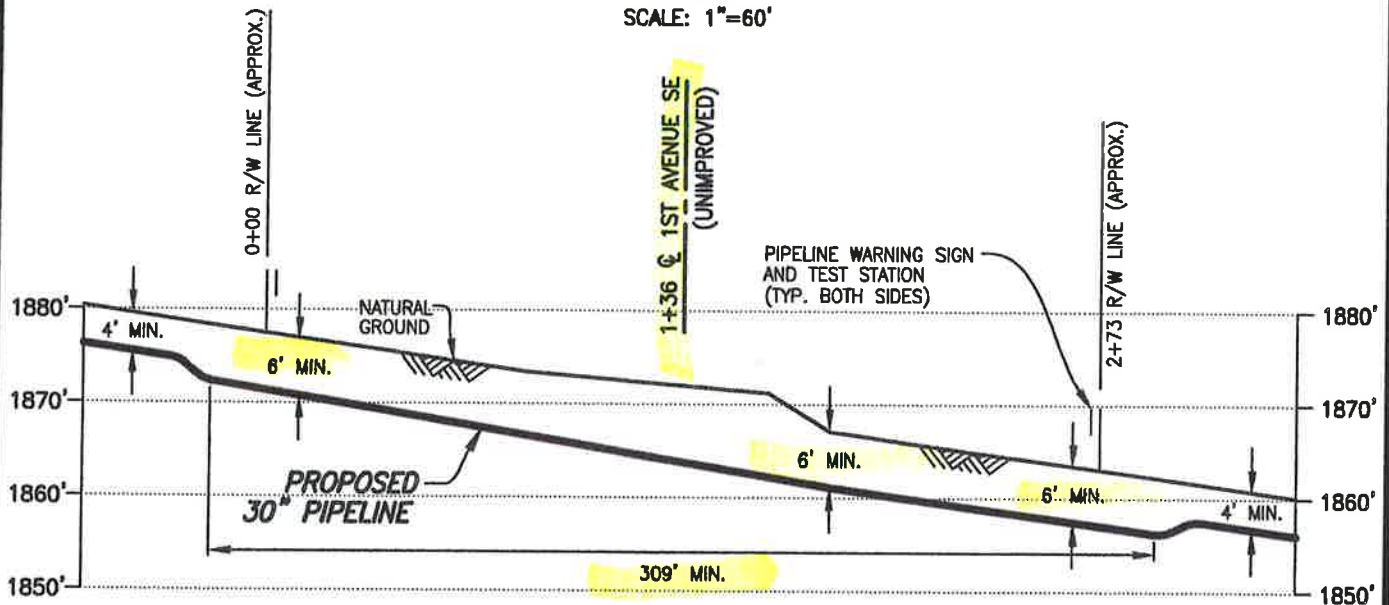


ND-EM-036.000
MICHAEL J. KUNZ

ND-EM-036.900

PLAN

SCALE: 1"=60'



PROFILE

SCALE: 1"=60' HORIZ.
1"=20' VERT.

① X=1286943.99
Y=16837757.49

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 1ST AVENUE SE (UNIMPROVED) AT STA. 1+36, ELEV. 1871.19'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

FILE: R:\F...103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-N...-036.900.dwg PLOT DATE: 9/8/2015 BY: GARCIA, REFUGIO

REV.	DATE	BY	DESCRIPTION	CHK.
B	09/02/15	PRV	ISSUED FOR USE/PERMIT	RC
A	03/30/15	OP	ISSUED FOR USE/PERMIT	PA

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 1ST AVENUE SE (UNIMPROVED)

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 03/13/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-036.900	B
SCALE: AS SHOWN	APP.:		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

75 STREET SE (S-17/20) (T-133) (R-77)

Section line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-037.900
75 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

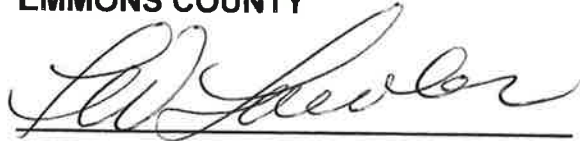
- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March 20 16 at Sinton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY



COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way


APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-ENL-037.900
75 STREET SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 17 & 20, TOWNSHIP 133 NORTH, RANGE 77 WEST

ND-EM-037.000
DANIEL L. WEBER

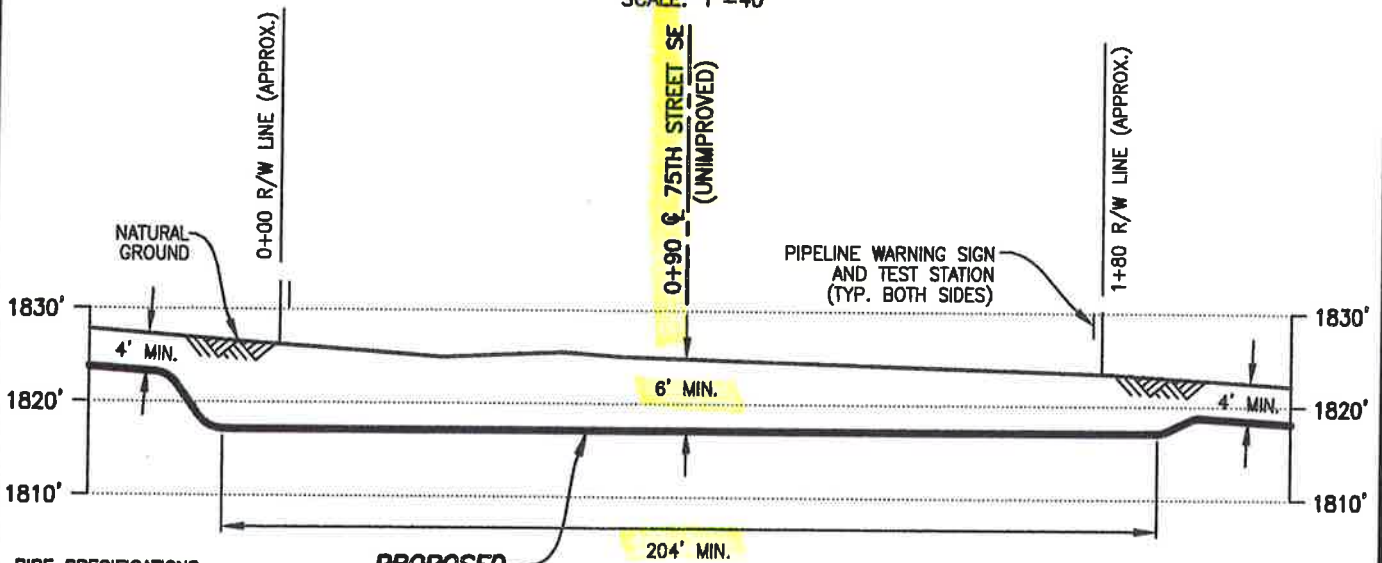
ND-EM-038.000
MICHAEL J. KUNZ

ND-EM-037.900



PLAN

SCALE: 1"=40'



PROPOSED 30" PIPELINE

PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

① X=1288541.74
Y=16835192.01

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET T.B.M.: 75TH STREET SE (UNIMPROVED) AT STA. 0+90, ELEV. 1824.82'

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/30/15	OP	ISSUED FOR USE/PERMIT	PA

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 75TH STREET SE (UNIMPROVED)

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: JWH	DATE: 03/13/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-037.900	A
SCALE: AS SHOWN	APP.:		

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8-ND-EM-037.900.dwg PLOT DATE: 3/30/2015 BY: MADAMBA, JOEY

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802.989.2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

76 STREET SE (S-20/29)(T-133)(R-77)

Facilities to be installed pursuant to this permit are 30" CRUDE OIL PIPELINE

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-040.910

76 ST. SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

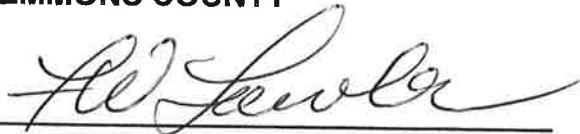
- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Dinb, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY



COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way


APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-040.910
76 St. SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Permanent to a value site

"Applicant" requests permission to construct a ~~Private/commercial~~/industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
76 ST SE	NORTH	20	133	77		

Approach Width <small>(Min 24' - Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	NO	

Authorization is hereby given to DAKOTA ACCESS, LLC of 1300 main st, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant


County Road Supt. Approved

802-989-2489-Cell
Contact # (Phone-Cell)

2-9-16
Dated
ND-EM-040.910 76ST SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

“Applicant” requests permission to construct a Private/commercial/industrial road approach on a Emmons County Road right-of-way.

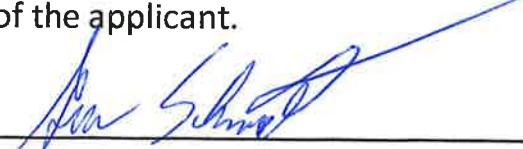
Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
76 ST SE	S	29	133	77		

Approach Width <small>(Min 24' – Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1		

Authorization is hereby given to DAKOTA ACCESS, LLC of 1300 main St, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant


County Road Supt. Approved

802-989-2489-Cell
Contact # (Phone-Cell)

2-9-16
Dated

ND-EM-040.910

76STSE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 20 & 29, TOWNSHIP 133 NORTH, RANGE 77 WEST

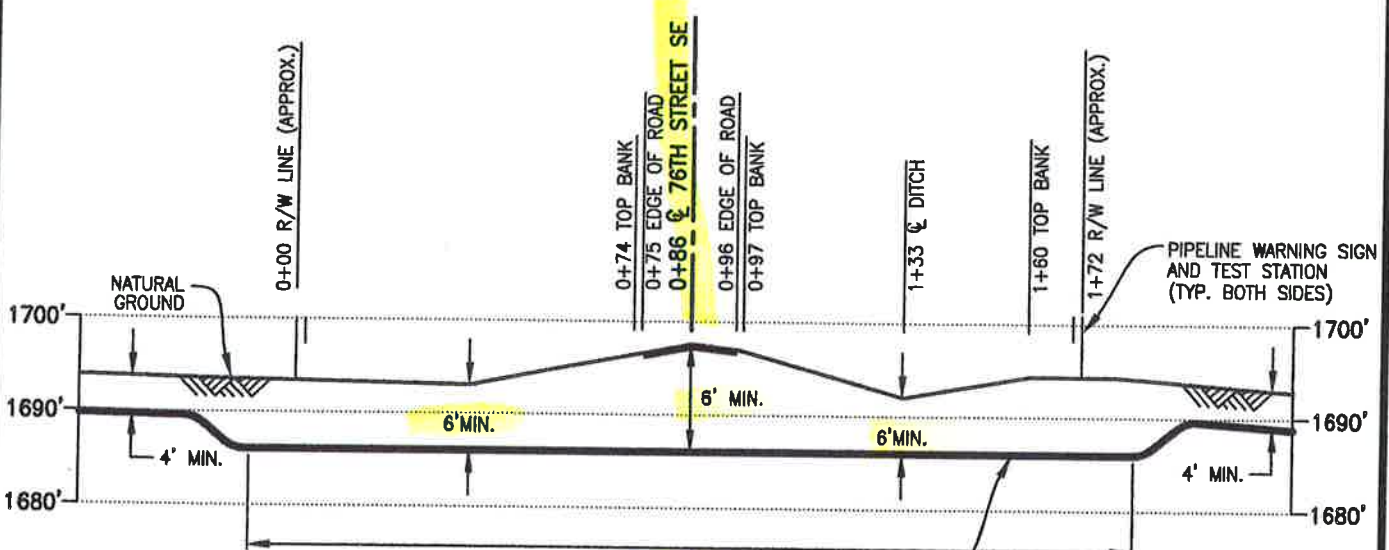
ND-EM-040.000
MICHAEL J. KUNZ

ND-EM-041.000
PERRY J. HILZENDEGER,

ND-EM-040.910

PLAN

SCALE: 1"=40'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 76TH STREET SE AT STA. 0+86, ELEV. 1697.60'

X=1291793.45
Y=16829858.81

REV.	DATE	BY	DESCRIPTION	CHK.
C	09/02/15	PRV	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 76TH STREET SE

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: TD	DATE: 09/23/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-040.910	C
SCALE: AS SHOWN	APP.:		



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8-1-040.910.dwg PLOT DATE: 9/3/2015 BY: VILLARREAL, PHIL

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 Main Street, Houston, Texas 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

2 Avenue SE (S-29/28)(T-133)(R-77)

Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans,
specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-041.900
2 Avenue SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at

Linda, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

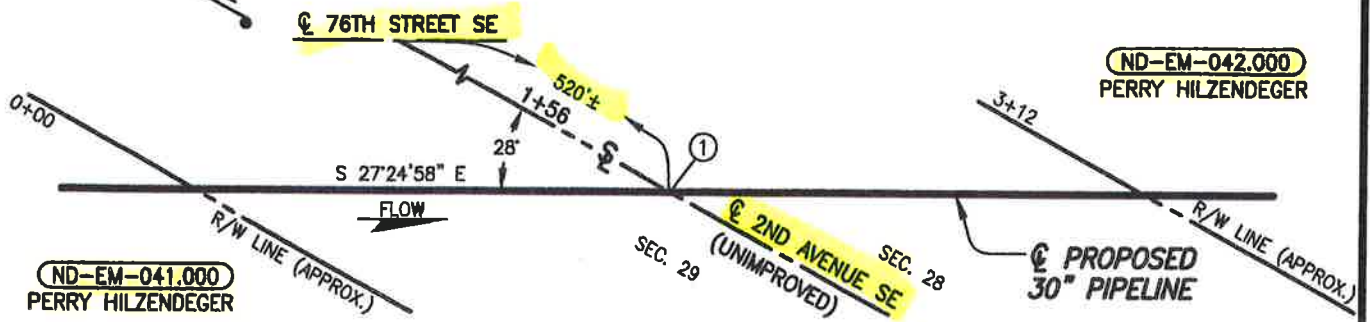
1100 Weiss Avenue, Bismarck, ND 58503

Address that approved permit should be mailed to

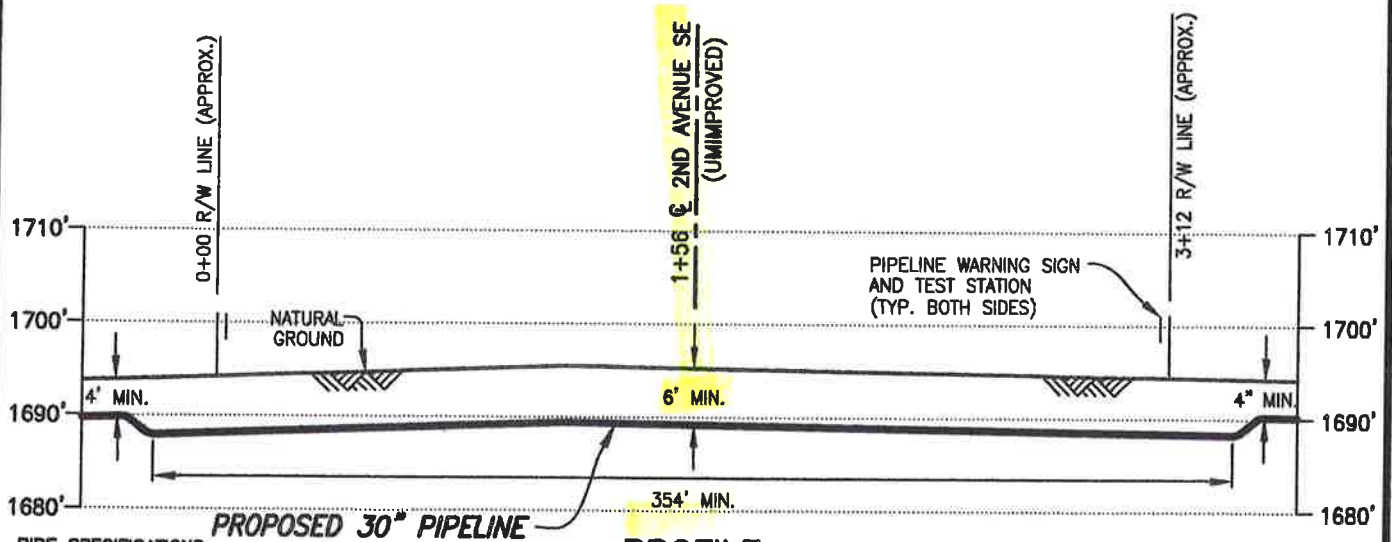
ND-EM-041-900
2 Avenue SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 28 & 29, TOWNSHIP 133 NORTH, RANGE 77 WEST



ND-EM-041.900
PLAN
SCALE: 1"=60'



PROFILE
SCALE: 1"=60' HORIZ.
1"=20' VERT.

① X=1292063.39
Y=16829329.02

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 2ND AVENUE SE (UNIMPROVED) AT STA. 1+56, ELEV. 1695.23'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

FILE: R:\Fry\dts\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-Nd-EM-041.900.dwg PLOT DATE: 3/30/2015 BY: MADAMBA, JOEY

A	03/30/15	OP	ISSUED FOR USE/PERMIT	PA	
REV.	DATE	BY	DESCRIPTION	CHK.	

PROJECT NO. 10395700

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
2ND AVENUE SE (UNIMPROVED)**

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 03/13/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-041.900	A
SCALE: AS SHOWN	APP.:		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802.989.2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

77 STREET SE (S-28/33)(T-133)(R-77)

Section here

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-044.900
77 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

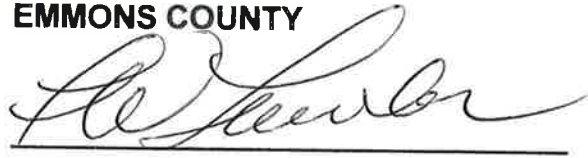
- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016 at Justin, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY



COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

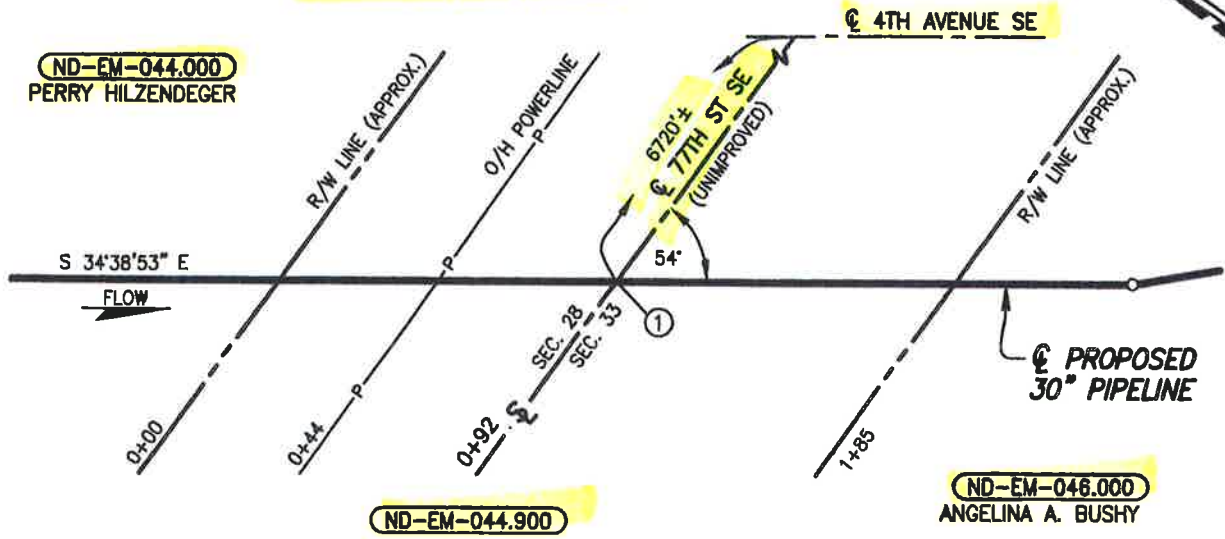
TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

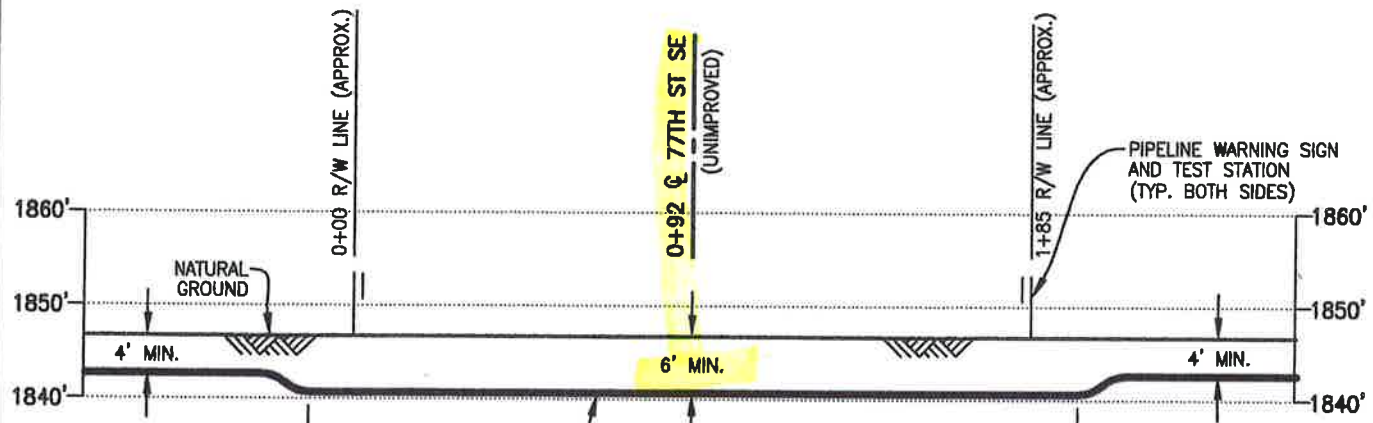
ND-Em-044.900
77 Street SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 28 & 33, TOWNSHIP 133 NORTH, RANGE 77 WEST



PLAN
SCALE: 1"=50'



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 30" PIPELINE
PROFILE
 SCALE: 1"=50' HORIZ.
 1"=20' VERT.

① X=1295852.06
 Y=16824527.10
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: 77TH STREET SE
 AT STA. 0+92, ELEV. 1846.67'

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8-ND-14-044.900.dwg PLOT DATE: 3/30/2015 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/30/15	OP	ISSUED FOR USE/PERMIT	PA

PROJECT NO. 10395700
WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
 77TH STREET SE (UNIMPROVED)**

EMMONS COUNTY NORTH DAKOTA

DRAWN BY: RG	DATE: 03/13/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-044.900	A
SCALE: AS SHOWN	APP.:		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 Main Street, Houston, Texas 77002
(Name and Address of Applicant)

802-989-2489 (cell)
(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

3 Avenue SE (S-33/34)(T-133)(R-77)
Section here

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline
in accordance with plans,
specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-Em-046.900
3 Avenue SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2011 at Linton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]

APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503

Address that approved permit should be mailed to

ND-EM-046.900
3 Avenue SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 33 & 34, TOWNSHIP 133 NORTH, RANGE 77 WEST

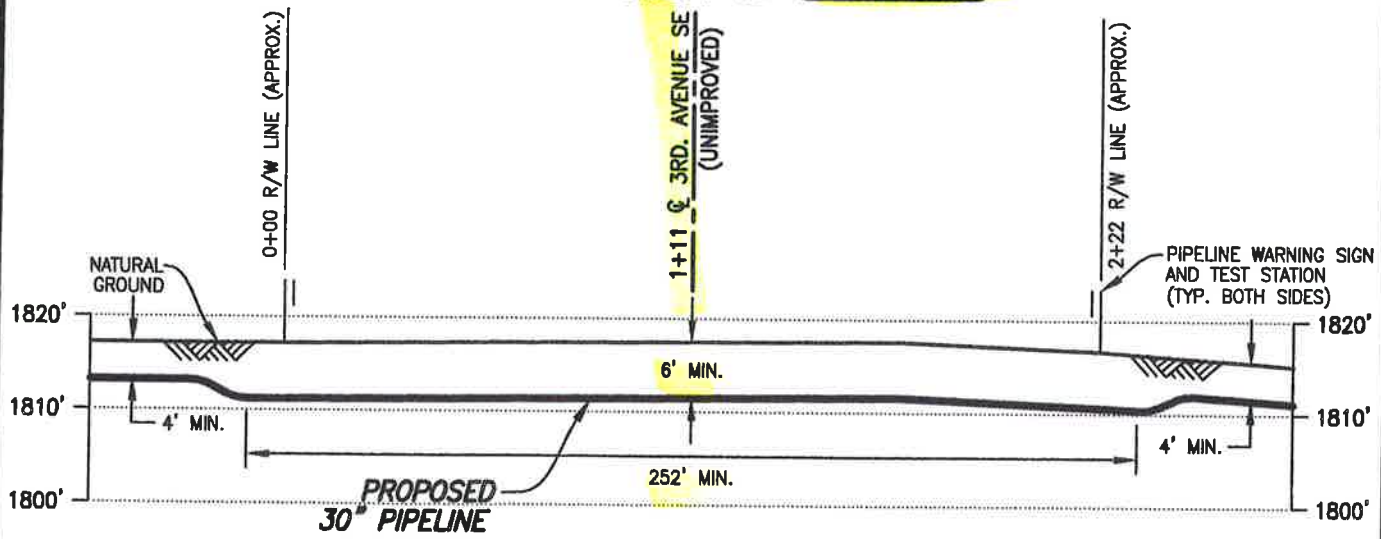


PLAN

SCALE: 1"=50' ND-EM-046.900

ND-EM-047.000
ADELLA POPPKE

ND-EM-046.000
ANGELINE A. BUSHY



PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=1297346.45
Y=16822900.48

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET T.B.M.: \odot 3RD AVENUE SE (UNIMPROVED) AT STA. 1+11, ELEV. 1817.46'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.825" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-N...-046.900.dwg PLOT DATE: 3/30/2015 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/30/15	OP	ISSUED FOR USE/PERMIT	PA

PROJECT NO. 10395700



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 3RD AVENUE SE (UNIMPROVED)

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: JWH	DATE: 03/13/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-046.900	A
SCALE: AS SHOWN	APP.:		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

78 STREET SE (S-34/5) (T-133/132) (R-77)

Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE OIL PIPELINE

_____ in accordance with plans,
specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-049.900
78 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

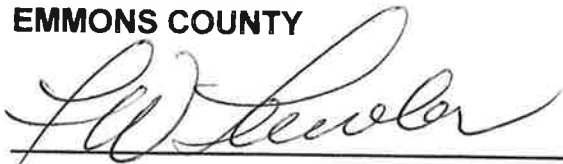
- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Sioux Falls, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY



COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

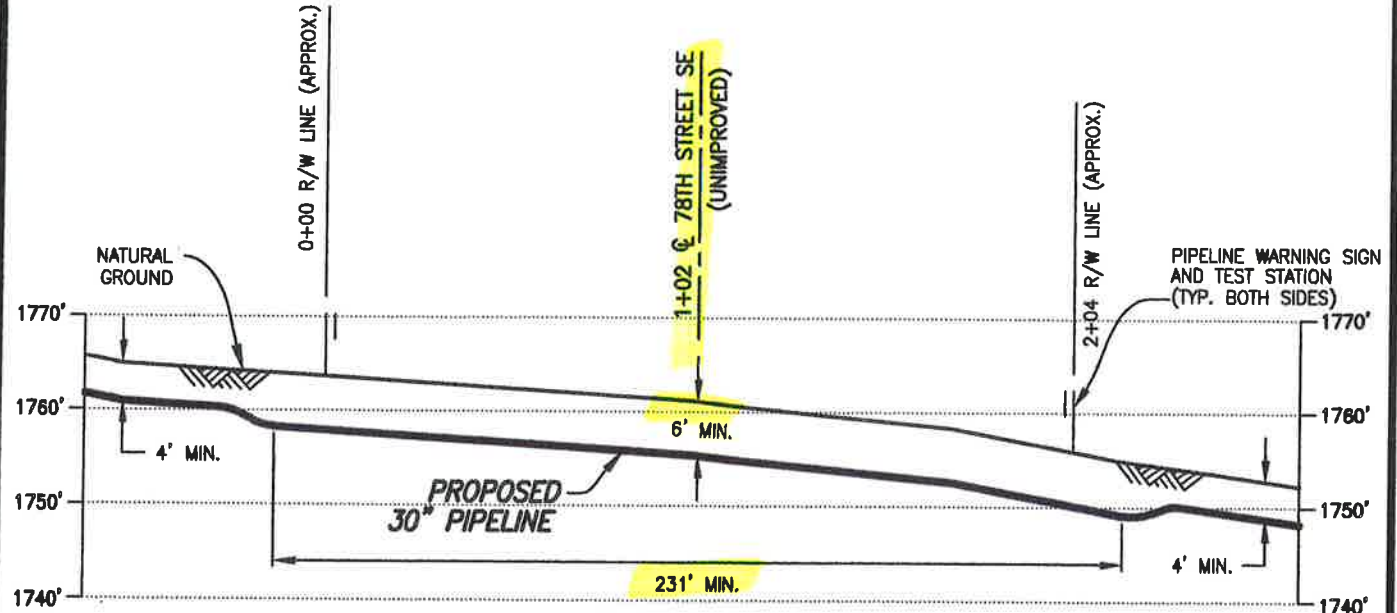
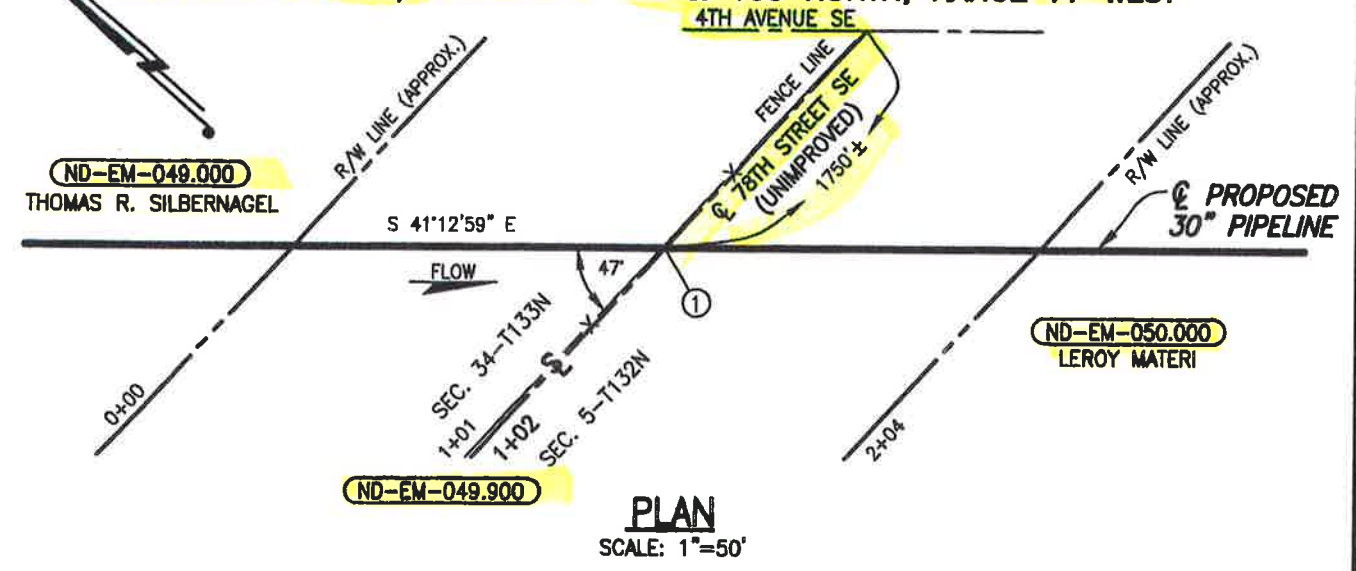


1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-049.900
78 STREET SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 5 & 34, TOWNSHIPS 132 & 133 NORTH, RANGE 77 WEST



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=1300663.62
Y=16819113.51

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: 78TH STREET SE AT STA. 1+02, ELEV. 1761.22'

FILE: R:\F...103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-NL...-049.900.dwg PLOT DATE: 3/30/2015 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/30/15	OP	ISSUED FOR USE/PERMIT	PA

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 78TH STREET SE (UNIMPROVED)

EMMONS COUNTY NORTH DAKOTA

DRAWN BY: PRV	DATE: 03/16/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-049.900	A
SCALE: AS SHOWN	APP.:		



North Dakota Department of Transportation

Grant Levi, P.E.
Director

Jack Dalrymple
Governor

February 22, 2016

Dakota Access, LLC
1300 Main Street
Houston, TX 77002

UTILITY PERMIT #12661, HIGHWAY 13

One copy of your requested utility permit is enclosed.

Installation and maintenance of said facilities on highway right of way shall be subject to the North Dakota Department of Transportation's "A Policy for Accommodation of Utilities on State Highway Right of Way", current edition, which is available at the following site.

<http://www.dot.nd.gov/manuals/environmental/policy-utilities-state-row.pdf>

A copy of the permit is required at the work site for reference by the work crew or contractor.

The bore pits and equipment used for the buried crossing must be outside the clear zone which is a minimum of 26 feet from the edge of the driving lane.

If you have any questions please call. Thanks!

RENEE SEIBEL – ENGINEERING TECHNICIAN IV

rs
enclosure

ND-EM-050.920
SH 13

UTILITY OCCUPANCY APPLICATION AND PERMIT

North Dakota Department of Transportation, Design Division
SFN 7995 (Rev. 11-2012)

Document Number <u>12661</u>	(FOR STATE USE ONLY)	Permit Number <u>1-13-194.2193</u>
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APPLICANT INFORMATION

Prepared Company Name <u>CONTRACT LAND STAFF</u>			Prepared by <u>CLAIRE CUNNINGHAM</u>		
Owner of Facility <u>DAKOTA ACCESS, LLC</u>	City <u>Houston</u>	State <u>TX</u>	Zip Code <u>77002</u>		
Mailing Address <u>1300 MAIN STREET</u>					Telephone Number
Owner's Agent <u>Claire Cunningham</u>	City <u>110 Weiss Ave Bismarck</u>	State <u>ND</u>	Zip Code <u>58503</u>	Telephone Number <u>702-989-2489</u>	
Owner's Contractor			City	State	Telephone Number

TYPE OF FACILITY (Complete appropriate spaces only.)

Description of Proposed Facility <u>CRUDE OIL pipeline cathodically protected</u>		
Size of Facility <u>30" Steel</u>	Number of Cables	Length of Down Guys
Pipeline Pressure <u>MOP 1440 PSIG</u>	Size of Casing	Length of Casing
Location of Pole(s)	Location of Appurtenances	Location - Others

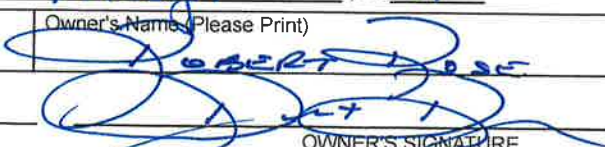
TERMS AND CONDITIONS: Installation and maintenance of said facilities on highway right of way shall be subject to the North Dakota Department of Transportation's (NDDOT's) "A Policy for Accommodation of Utilities on State Highway Right of Way", current edition, and the following terms and conditions, attached hereto and made a part hereof.

- (A) Installation/maintenance of said facilities shall be done in a manner satisfactory to the NDDOT district engineer,
- (B) Owner shall notify the NDDOT district engineer forty-eight (48) hours prior to installing, relocating, or removing said facilities. All disturbed areas shall be restored to their original condition in a manner satisfactory to the NDDOT district engineer.
- (C) The owner shall be required to wear an ANSI/ISEA 107-2004 Class II height visibility garment while within the highway right-of-way as per the requirements of 23 CFR 634.
- (D) Owner shall repair or replace highway structures and appurtenances, and any existing facilities located on, over, or under highway right of way, which may be damaged as a result of the installation and maintenance of said facilities on highway right of way.
- (E) The Risk Management Appendix, attached, is hereby incorporated and made a part of this agreement.
- (F) Owner shall promptly remove said facilities from highway right of way, or shall relocate or adjust said facilities, at its sole cost and expense when requested to do so by NDDOT.
- (G) NDDOT specifically reserves the right to revoke, or change the terms and conditions of, this Permit with or without cause and upon notice to the Owner.
- (H) The Owner, for him or herself, his or her personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree that (1) no person, on the grounds of race, color, national origin, sex, age, disability/handicap, or income status**, shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land and the furnishing of services thereon, no person, on the grounds of race, color, national origin, sex, age, disability/handicap, or income status**, shall be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination, (3) that the Owner shall use the premises in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted Programs of the Department of Transportation - Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

That in the event of breach of any of the above nondiscrimination covenants, the NDDOT shall have the right to terminate this Permit and to re-enter and repossess said land and the facilities thereon and hold the same as if said Permit had never been made or issued.

**The Act governs race, color, and national origin. Related Nondiscrimination Authorities govern sex, 23 U.S.C. 324; age, 42 U.S.C. 6101; disability/handicap, 29 U.S.C. 790; and low income, E.O. 12898.

(I) The installation shall be completed on or before May 1, 20 17

Company Name <u>DAKOTA ACCESS, LLC</u>	Owner's Name (Please Print) <u>ROBERT ROSE</u>
DATE <u>1/29/16</u>	OWNER'S SIGNATURE 

The Owner is hereby granted permission to install and maintain the facilities applied for, as shown on the plans attached hereto and made a part hereof. Approved by NDDOT this 22 day of Feb., 20 16.

ND-EM-050.920

SH 13

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

Kevin J. Levi
DISTRICT ENGINEER (TYPE OR PRINT)

K-J L
SIGNATURE

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point 194.2193 End Ref. Point _____

Highway No. 13 Along or Across Lanes of traffic 2 4

Direction N S E W Begin 1158' feet from reference marker 194

Direction N S E W End 4122' feet from reference marker 195

N S E W from city of _____ or _____ miles from junction highway _____

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____ Along or Across Lanes of traffic 2 4

Direction N S E W Begin _____ feet from reference marker _____

Direction N S E W End _____ feet from reference marker _____

N S E W from city of _____ or _____ miles from junction highway _____

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____ Along or Across Lanes of traffic 2 4

Direction N S E W Begin _____ feet from reference marker _____

Direction N S E W End _____ feet from reference marker _____

N S E W from city of _____ or _____ miles from junction highway _____

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____ Along or Across Lanes of traffic 2 4

Direction N S E W Begin _____ feet from reference marker _____

Direction N S E W End _____ feet from reference marker _____

N S E W from city of _____ or _____ miles from junction highway _____

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____ Along or Across Lanes of traffic 2 4

Direction N S E W Begin _____ feet from reference marker _____

Direction N S E W End _____ feet from reference marker _____

N S E W from city of _____ or _____ miles from junction highway _____

LOCATION NO. _____ (FOR STATE USE ONLY) Begin Ref. Point _____ End Ref. Point _____

Highway No. _____ Along or Across Lanes of traffic 2 4

Direction N S E W Begin _____ feet from reference marker _____

Direction N S E W End _____ feet from reference marker _____

N S E W from city of _____ or _____ miles from junction highway _____

INTERSTATE HIGHWAYS - Applicant's description of the proposed method of ingress and egress to and from interstate right of way, as attached to the plan.

ND-EM-050.920
SH 13

Risk Management Appendix

Permits and Licenses with Private Individuals, Companies, Corporations, Etc. (referred to as Recipient):

Recipient agrees to defend, indemnify, and hold harmless the state of North Dakota, its agencies, officers and employees (State), from and against claims based on the vicarious liability of the State or its agents, but not against claims based on the State's contributory negligence, comparative and/or contributory negligence or fault, sole negligence, or intentional misconduct. The legal defense provided by the Recipient to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Recipient also agrees to defend, indemnify, and hold the State harmless for all costs, expenses and attorneys' fees incurred if the State prevails in an action against the Recipient in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

Recipient shall secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools or government self-retention funds authorized to do business in North Dakota, the following insurance coverages:

- 1) **Commercial general liability and automobile liability** insurance – minimum limits of liability required are **\$250,000 per person and \$1,000,000 per occurrence.**
- 2) **Workers compensation** insurance meeting all statutory limits.
- 3) The State of North Dakota and its agencies, officers, and employees (State) shall be endorsed as an **additional** insured on the commercial general liability and automobile liability policies.
- 4) Said endorsements shall contain a **"Waiver of Subrogation"** in favor of the state of North Dakota.
- 5) The policies and endorsements may not be canceled or modified without **thirty (30) days prior written notice** to the undersigned State representative.

Recipient shall furnish a certificate of insurance evidencing the requirements in 1, 3, and 4 above to the undersigned State representative prior to commencement of this agreement.

The State reserves the right to obtain complete, certified copies of all required insurance documents, policies, or endorsements at any time. If Recipient's insurance will expire prior to the term of this agreement, Recipient shall renew the above requirements and furnish a certificate of insurance evidencing the renewal to the undersigned State representative prior to the expiration of the insurance. Any attorney who represents the State under this policy must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08.

When a portion of a Contract is sublet, the Recipient shall obtain insurance protection (as outlined above) to provide liability coverage to protect the Recipient and the State as a result of work undertaken by the Subcontractor. In addition, the Recipient shall ensure that any and all parties performing work under the Contract are covered by public liability insurance as outlined above. All Subcontractors performing work under the Contract are required to maintain the same scope of insurance required of the Recipient. The Recipient shall be held responsible for ensuring compliance with those requirements by all Subcontractors.

Recipient's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention maintained by the State. Any insurance, self-insurance or self-retention maintained by the State shall be excess of the Recipient's insurance and shall not contribute with it. The insolvency or bankruptcy of the insured Recipient shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Recipient from meeting the retention limit under the policy. Any deductible amount or other obligations under the policy(ies) shall be the sole responsibility of the Recipient. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and be placed with insurers rated "A-" or better by A.M. Best Company, Inc. The State will be indemnified, saved, and held harmless to the full extent of any coverage actually secured by the Recipient in excess of the minimum requirements set forth above.

RM Consulted 2007
Revised 5-09



Dakota Access, LLC
1300 Main St.
Houston, TX 77002

Dear Permittee:

You have submitted to the North Dakota Department of Transportation (NDDOT), in connection with your certificate of insurance, additional pages or language on the certificate which either purports to limit or qualify the information reflected on the certificate of insurance or which purports to change, modify or amend your company's insurance policies. NDDOT policy is to not solicit, review or approve contractors' insurance policies, endorsements or amendments to insurance policies, or insurance documents other than properly completed certificates of insurance. NDDOT contracts specify that contractors are responsible for acquiring and maintaining specified coverages and proof of insurance.

Please have a company executive authorized to execute contract documents sign and date the statement below attesting that your company has insurance coverage consistent with the contract provisions and immediately fax and mail it back to us.

Be advised that execution of this contract will be delayed until these issues have been resolved.

Sincerely,

Joel M. Wilt
Williston District Engineer

UTILITY OCCUPANCY APPLICATION AND PERMIT

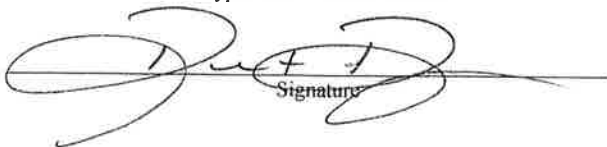
Dakota Access, LLC; states that the company has, and will maintain in force, insurance coverages (including proof of coverages) consistent with the contract specifications.

Date 2/8/16

Robert Rose

Vice President, Land and Right of Way

Type or Print Name & Title


Signature



CERTIFICATE OF LIABILITY INSURANCE

9/15/2016

DATE (MM/DD/YYYY)
2/4/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER LOCKTON COMPANIES 5847 SAN FELIPE, SUITE 320 HOUSTON TX 77057 866-260-3538	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURED 1389319 DAKOTA ACCESS, LLC 1300 MAIN STREET HOUSTON, TX 77002	INSURER A: Old Republic Insurance Company	24147
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	


COVERAGES CERTIFICATE NUMBER: 13887652 REVISION NUMBER: XXXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR	Y	Y	MWZY 59829 15	9/15/2015	9/15/2016	EACH OCCURRENCE \$ 10,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 10,000,000 MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ 10,000,000 GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COMP/OP AGG \$ 10,000,000 OTHER \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> MCS-90 <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	Y	Y	MWTB 21711 15	9/15/2015	9/15/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 10,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX OTHER \$ XXXXXXXX
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED \$ RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX OTHER \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yess, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	MWC 117949 15	9/15/2015	9/15/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 10,000,000 E.L. DISEASE - EA EMPLOYEE \$ 10,000,000 E.L. DISEASE - POLICY LIMIT \$ 10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
All policies (except Workers' Compensation/EL) contain a special endorsement with "Primary and Noncontributory" wording.

CERTIFICATE HOLDER**CANCELLATION** See Attachment

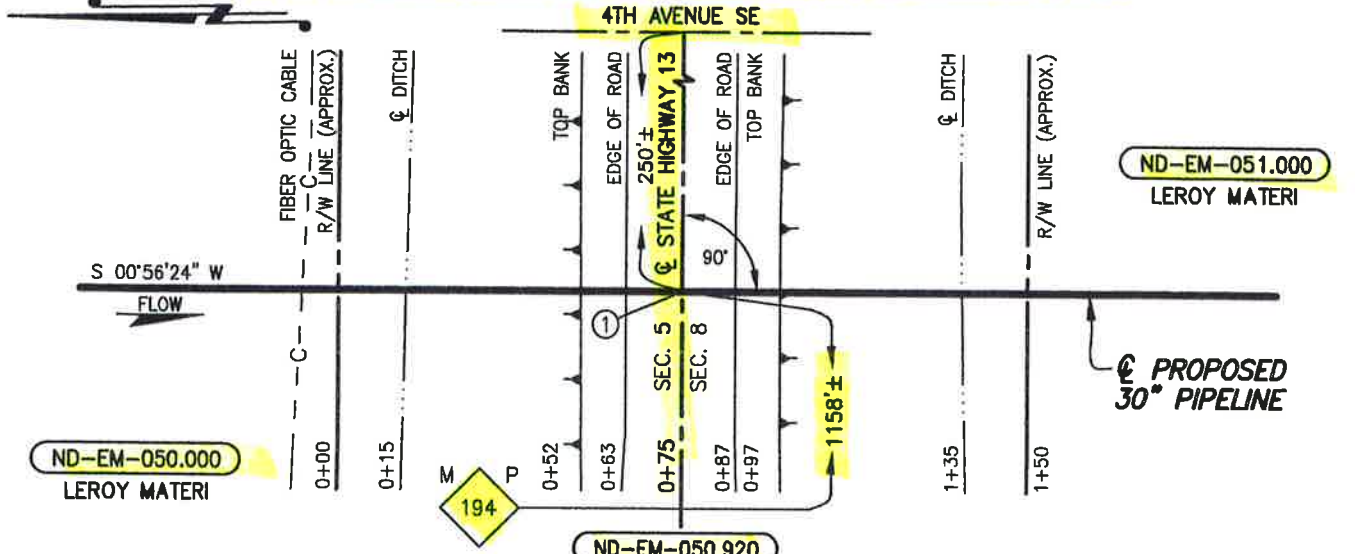
13887652 NORTH DAKOTA DEPARTMENT OF TRANSPORTATION 608 EAST BOULEVARD AVE. BISMARCK ND 58505-0700	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
---	---

All policies (except Workers' Compensation/EL) include a blanket automatic additional insured endorsement [provision] that confers additional insured status to the certificate holder only if there is a written contract between the named insured and the certificate holder that requires the named insured to name the certificate holder as an additional insured. In the absence of such a contractual obligation on the part of the named insured, the certificate holder is not an additional insured under the policy.

All policies include a blanket automatic waiver of subrogation endorsement [provision] that provides this feature only when there is a written contract between the named insured and the certificate holder that requires it. In the absence of such a contractual obligation on the part of the named insured, the waiver of subrogation feature does not apply.

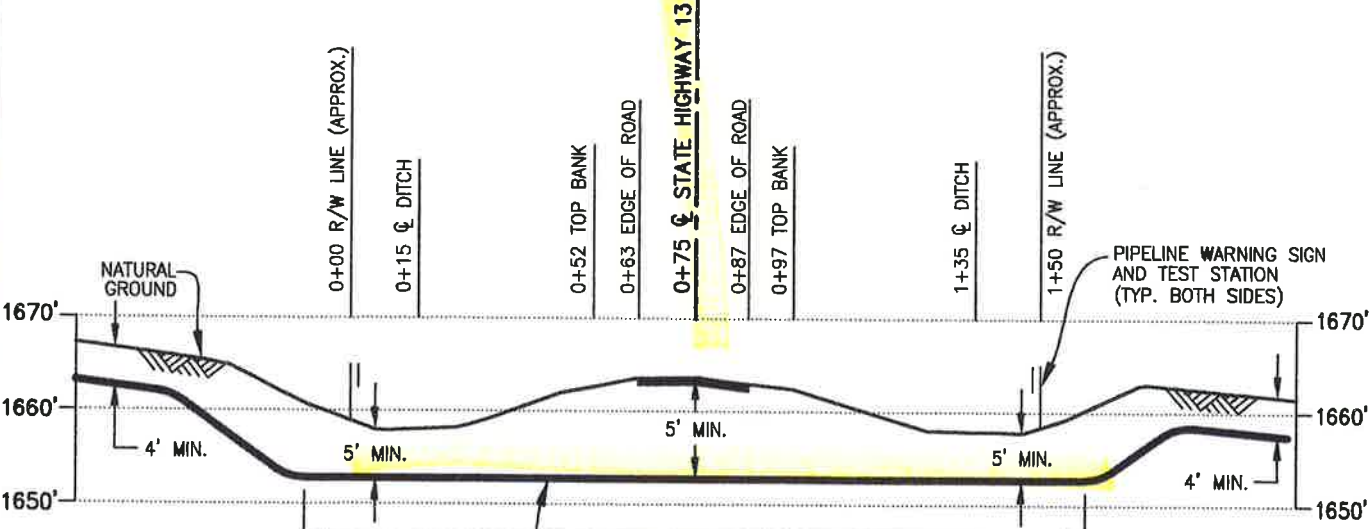
EMMONS COUNTY, NORTH DAKOTA

SECTIONS 5 & 8, TOWNSHIP 132 NORTH, RANGE 77 WEST



PLAN

SCALE: 1" = 40'



PROFILE

SCALE: 1" = 40' HORIZ.
1" = 20' VERT.

PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: \odot STATE HIGHWAY 13
 AT STA. 0+75, ELEV. 1663.69'

REV.	DATE	BY	DESCRIPTION	CHK.
D	10/19/15	PRV	ISSUED FOR USE/PERMIT	RC
C	06/30/15	JMH	ISSUED FOR USE/PERMIT	EDF
B	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC
A	12/22/14	CHA	ISSUED FOR REVIEW	



PROPOSED 30" DAPL PIPELINE CROSSING STATE HIGHWAY 13

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 10/24/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-050.920	D
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8-4-050.920.dwg PLOT DATE: 10/22/2015 BY: MUALLEM, MIKE



WOOD GROUP MUSTANG

Wood Group Mustang, Inc.
17325 Park Row
Houston, TX 77084
United States
T: +832 809 8000
www.mustangeng.com

February 15th, 2016

North Dakota Department of Transportation (ND-DOT)
608 East Boulevard Avenue
Bismarck, ND 58505

To whom this may concern,

The purpose of this letter is to confirm that the Dakota Access Pipeline (DAPL) is being designed with proper corrosion prevention systems. The first barrier of defense from corrosion is through the use of high-performance coatings (fusion bonded epoxy – FBE), followed by impressed current cathodic protection (ICCP) systems installed approximately every ten miles, at locations where electrical power is available, and wherever possible, in areas with relatively easy access.

The section of pipeline contained within the state of North Dakota, totaling approximately 358 miles, will have the following specifications:

- 12.75" O.D., 0.500" W.T., X-52, 14-16 MILS FBE w/40 MILS ARO
- 20.00" O.D., 0.438" W.T., X-70, 14-16 MILS FBE w/40 MILS ARO
- 24.00" O.D., 0.500" W.T., X-70, 14-16 MILS FBE w/40 MILS ARO
- 30.00" O.D., 0.625" W.T., X-70, 14-16 MILS FBE w/40 MILS ARO

Note that abrasion resistant overcoat (ARO) will only be used through sections where pipe is more susceptible to sustaining coating damage during installation (e.g. horizontal directional drills, through bores). In the case of open-cut installations, 14-16 mils of FBE will be used.

As the firm designing the pipeline, have reviewed all applicable codes and specifications and are in full compliance with DOT 195, and NACE International. We are confident that the design is adequate for the pipeline.

Should you have any questions please do not hesitate to contact us.

Regards,

Rodrigo J. Himiob

Integrity Management Lead

rodrigo.himiob@woodgroup.com

(832) 809-5616

Ray Chu

State Engineering Lead – ND

ray.chu@woodgroup.com

(832) 809-6726

Daniel Junk

Project Manager

dan.junk@woodgroup.com

(832) 809-8229

CC: Claire Cunningham – Contract Land Staff

DAKOTA ACCESS PIPELINE PROJECT

The attached Utility Crossing Permit Applications are being submitted on behalf of Dakota Access, LLC.

Dakota Access is proposing to construct a new crude oil pipeline that will provide transportation service from points of origin in the Bakken/Three Forks play in North Dakota through portions of South Dakota and Iowa to a terminus in Patoka, Illinois.

The proposed DAPL Project is comprised of an underground pipeline and associated tank terminals/pump stations for the storage and transport of crude petroleum. In North Dakota, the DAPL Project consists of two main underground pipeline components (Supply Line and Mainline), six tank/pump stations, and minor aboveground appurtenances (eg. Main line valves). The 151 mile long Supply Line Route will commence with a new 12" diameter pipeline east of Stanley, extend to the west and then south around Lake Sakakawea, ultimately reaching its terminus at Johnson Corner. The diameter of the pipeline increases incrementally at designated tank terminals from 12 inches to 20, 24 and ultimately, 30 inches. The DAPL Project will provide shippers access to approximately 450,000 bpd of transportation capacity (with the ultimate capacity of 570,000 bpd or greater depending on customer demand).

Six tank terminals are proposed throughout the length of the Supply Line, including just west of the pipeline's commencement point near Stanley, and subsequent tank terminals locate south of Tioga, near Epping, near Trenton, Near Watford City and at Johnson Corner.

At the discharge side of the Johnson Corner tank terminal and pump station, the 30 inch diameter Mainline commences and heads in a general southeast direction through for approximately 210 miles before crossing the state line at the Emmons County, ND/Campbell County, SD border. Additionally, the Mainline crosses portions of South Dakota, Iowa, and Illinois for a combined total of approximately 1,150 miles.



ND-EM-050.920 SH 13

CLS LINK GIS Viewer

CLS Contract

DRIVEWAY APPLICATION & PERMIT

North Dakota Department of Transportation, Maintenance Division
SFN 5918 (Rev. 06-2015)

Permit Number 6 0

District Number 6 1

Applicant DAKOTA ACCESS, LLC		Telephone Number	
Address 1300 MAIN STREET	City Houston	State TX	ZIP Code 77002

Driveway Information on State Highway Right of Way

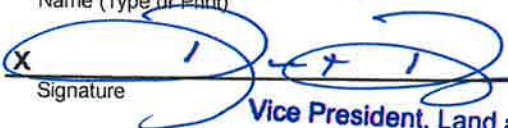
Number of Driveways 2 Temp	<input checked="" type="checkbox"/> Pipeline Construction <input type="checkbox"/> Private <input type="checkbox"/> Commercial	Direction <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W side of Route 13
Location approx 1158' east of MP 194 on SH 13		
Town	Highway SH 13	Junction
		Mile Marker Number 194

Description of proposed work on state right of way and type of business served.
Temporary access drives on both sides of SH 13 for pipeline construction

Applicant agrees that any permit issued and any entrance built or work done shall be in accordance with plans attached hereto and made a part hereof, and Permit Specifications printed on the reverse side of this sheet. If the applicant fails to construct the drive to the specified dimensions, including the proper culvert length and inslopes, the Department of Transportation, hereinafter referred to as NDDOT, will either cancel this permit and remove the drive or make the necessary corrections and the Applicant will reimburse NDDOT for such work.

APPLICANT:

Robert Rose
Name (Type or Print)



Signature

Vice President, Land and Right of Way
Title

1/29/16
Date

NORTH DAKOTA
DEPARTMENT OF TRANSPORTATION

Kevin J. Levi
District Engineer (Type or Print)


Signature

2-22-2016
Date

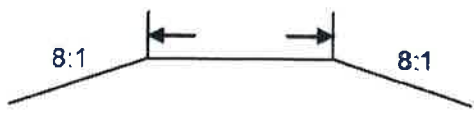
Permit granted:

2-22-2016
Date

Construction shall be completed by:

May 1, 2017
Date

Sketch:



(Original to District File, copy to Applicant)

ND-EM-050-920
SH 13

DRIVEWAY PERMIT SPECIFICATIONS

1. The total cost of all construction and maintenance of the work specified shall be borne by the Applicant, his grantees, successors, and assigns; except that the state will maintain the shoulder of the roadway.
2. The applicant shall be required to wear an ANSI/ISEA 107-2004 Class II high visibility garment while within the highway right-of-way as per the requirements of 23 CFR 634.
3. It is understood by the Applicant that the state does not assume any responsibility for the removal or clearance of snow, ice, or sleet, or the opening of windrows of such materials, upon any portion of the driveway even though snow, ice, or sleet is deposited or windrowed on said drive by its authorized representative engaged in normal winter maintenance operation.
4. No driveway shall be considered as completed until checked and approved by NDDOT. Surfacing may be omitted on field entrances if so specified in the application.
5. A driveway, as referred to in this permit, shall be the traveled area between the highway roadway surface and the adjacent right-of-way line. Said driveway shall be used only for the purpose of providing entrance to and exit from the Applicants property.
6. No driveway, or improvement constructed on the highway right of way shall be ~~altered~~ or relocated without permission of the district engineer of NDDOT.
7. The Applicant agrees to perform all work in accordance with this permit, and to indemnify and hold harmless NDDOT, its officers, and employees from any and all liability, judgments, costs, expenses, and claims growing out of damages, or alleged damages, of any nature whatsoever, to any person or property arising out of performance or nonperformance of said work, or the existence of said driveways.
8. It is understood by the Applicant that the location, construction, and maintenance of driveways are under the supervision of NDDOT at all times, and that in granting this permit NDDOT waives none of its powers or rights to direct the removal, relocation, or proper maintenance in the future of any driveways within the right of way of the state highway.
9. The granting of this permit does not vest the Applicant with the exclusive use of the driveway. NDDOT retains the right to diminish and expand the use of the driveway as required in the interest of the safety of highway traffic.
10. Wetlands: The applicant shall certify that no wetlands will be impacted by the installation of the driveway. If wetlands are impacted, the applicant shall coordinate with the US Army Corps of Engineers (USACE), North Dakota Regulatory Office to determine if a permit is required or mitigation is needed. Certification of avoidance, a wetland delineation, or a permit (if required) from the USACE shall be attached to the application.
11. The Applicant, for him or herself, his or her heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree that (1) no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land, and the furnishing of services thereon, no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination, (3) that the Applicant will use the premises in compliance with all other requirements imposed by or pursuant to the Acts and Regulations, as amended, such that no person on the grounds of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities set forth in this Assurance.

That in the event of breach of any of the above Non-discrimination covenants, NDDOT will have the right to terminate this Permit and to enter or re-enter and repossess said land and the facilities thereon, and hold the same as if said Permit had never been made or issued.
12. Risk Management Appendix, attached, is hereby incorporated and made a part of this agreement.

Risk Management Appendix

Permits and Licenses with Private Individuals, Companies, Corporations, Etc. (referred to as Recipient):

Recipient agrees to defend, indemnify, and hold harmless the state of North Dakota, its agencies, officers and employees (State), from and against claims based on the vicarious liability of the State or its agents, but not against claims based on the State's contributory negligence, comparative and/or contributory negligence or fault, sole negligence, or intentional misconduct. The legal defense provided by the Recipient to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Recipient also agrees to defend, indemnify, and hold the State harmless for all costs, expenses and attorneys' fees incurred if the State prevails in an action against the Recipient in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

Recipient shall secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools or government self-retention funds authorized to do business in North Dakota, the following insurance coverages:

- 1) **Commercial general liability and automobile liability** insurance – minimum limits of liability required are **\$250,000 per person and \$1,000,000 per occurrence.**
- 2) **Workers compensation** insurance meeting all statutory limits.
- 3) The State of North Dakota and its agencies, officers, and employees (State) shall be endorsed as an **additional** insured on the commercial general liability and automobile liability policies.
- 4) Said endorsements shall contain a **“Waiver of Subrogation”** in favor of the state of North Dakota.
- 5) The policies and endorsements may not be canceled or modified without **thirty (30) days prior written notice** to the undersigned State representative.

Recipient shall furnish a certificate of insurance evidencing the requirements in 1, 3, and 4 above to the undersigned State representative prior to commencement of this agreement.

The State reserves the right to obtain complete, certified copies of all required insurance documents, policies, or endorsements at any time. If Recipient's insurance will expire prior to the term of this agreement, Recipient shall renew the above requirements and furnish a certificate of insurance evidencing the renewal to the undersigned State representative prior to the expiration of the insurance. Any attorney who represents the State under this policy must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. Section 54-12-08.

When a portion of a Contract is sublet, the Recipient shall obtain insurance protection (as outlined above) to provide liability coverage to protect the Recipient and the State as a result of work undertaken by the Subcontractor. In addition, the Recipient shall ensure that any and all parties performing work under the Contract are covered by public liability insurance as outlined above. All Subcontractors performing work under the Contract are required to maintain the same scope of insurance required of the Recipient. The Recipient shall be held responsible for ensuring compliance with those requirements by all Subcontractors.

Recipient's insurance coverage shall be primary (i.e., pay first) as respects any insurance, self-insurance or self-retention maintained by the State. Any insurance, self-insurance or self-retention maintained by the State shall be excess of the Recipient's insurance and shall not contribute with it. The insolvency or bankruptcy of the insured Recipient shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured Recipient from meeting the retention limit under the policy. Any deductible amount or other obligations under the policy(ies) shall be the sole responsibility of the Recipient. This insurance may be in policy or policies of insurance, primary and excess, including the so-called umbrella or catastrophe form and be placed with insurers rated "A-" or better by A.M. Best Company, Inc. The State will be indemnified, saved, and held harmless to the full extent of any coverage actually secured by the Recipient in excess of the minimum requirements set forth above.

RM Consulted 2007
Revised 5-09



Dakota Access, LLC
1300 Main St.
Houston, TX 77002

Dear Permittee:

You have submitted to the North Dakota Department of Transportation (NDDOT), in connection with your certificate of insurance, additional pages or language on the certificate which either purports to limit or qualify the information reflected on the certificate of insurance or which purports to change, modify or amend your company's insurance policies. NDDOT policy is to not solicit, review or approve contractors' insurance policies, endorsements or amendments to insurance policies, or insurance documents other than properly completed certificates of insurance. NDDOT contracts specify that contractors are responsible for acquiring and maintaining specified coverages and proof of insurance.

Please have a company executive authorized to execute contract documents sign and date the statement below attesting that your company has insurance coverage consistent with the contract provisions and immediately fax and mail it back to us.

Be advised that execution of this contract will be delayed until these issues have been resolved.

Sincerely,

Joel M. Wilt
Williston District Engineer

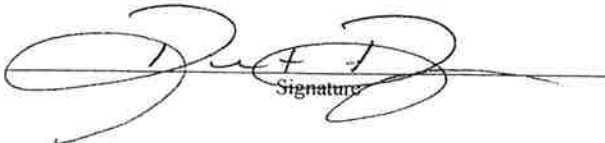
UTILITY OCCUPANCY APPLICATION AND PERMIT

Dakota Access, LLC; states that the company has, and will maintain in force, insurance coverages (including proof of coverages) consistent with the contract specifications.

Date 2/8/16

Robert Rose Vice President, Land and Right of Way

Type or Print Name & Title


Signature



CERTIFICATE OF LIABILITY INSURANCE

9/15/2016

DATE (MM/DD/YYYY)
2/4/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER LOCKTON COMPANIES 5847 SAN FELIPE, SUITE 320 HOUSTON TX 77057 866-260-3538	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Old Republic Insurance Company	NAIC # 24147
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER: 13887652** **REVISION NUMBER: XXXXXXXX**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	Y	Y	MWZY 59829 15	9/15/2015	9/15/2016	EACH OCCURRENCE \$ 10,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 10,000,000 MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ 10,000,000 GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COMP/OP AGG \$ 10,000,000
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> MCS-90	Y	Y	MWTB 21711 15	9/15/2015	9/15/2016	COMBINED SINGLE LIMIT (Ea accident) \$ 10,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	MWC 117949 15	9/15/2015	9/15/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 10,000,000 E.L. DISEASE - EA EMPLOYEE \$ 10,000,000 E.L. DISEASE - POLICY LIMIT \$ 10,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 All policies (except Workers' Compensation/EL) contain a special endorsement with "Primary and Noncontributory" wording.

CERTIFICATE HOLDER**CANCELLATION** See Attachment

13887652

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
 608 EAST BOULEVARD AVE.
 BISMARCK ND 58505-0700

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

All policies (except Workers' Compensation/EL) include a blanket automatic additional insured endorsement [provision] that confers additional insured status to the certificate holder only if there is a written contract between the named insured and the certificate holder that requires the named insured to name the certificate holder as an additional insured. In the absence of such a contractual obligation on the part of the named insured, the certificate holder is not an additional insured under the policy.

All policies include a blanket automatic waiver of subrogation endorsement [provision] that provides this feature only when there is a written contract between the named insured and the certificate holder that requires it. In the absence of such a contractual obligation on the part of the named insured, the waiver of subrogation feature does not apply.

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 Main Street, Houston, Texas 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

2 Avenue SE (S-8/9) (T-132) (R-77)

Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans,
specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-051.900

2 Avenue SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March 2016 at Sioux, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

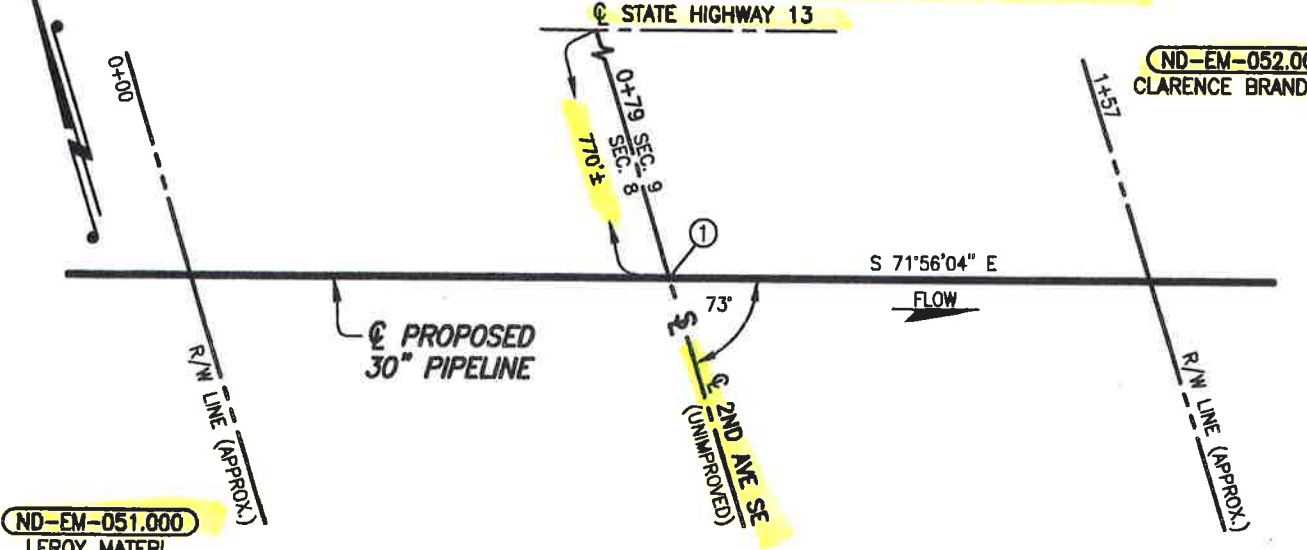
TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-051.900
2 Avenue SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 8 & 9, TOWNSHIP 132 NORTH, RANGE 77 WEST

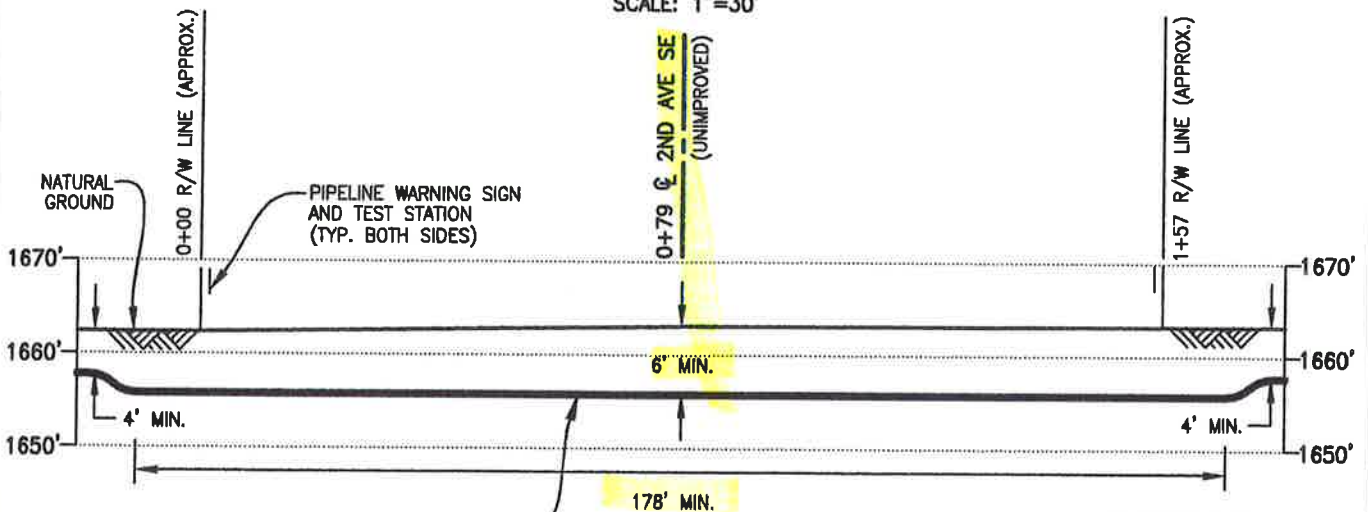


ND-EM-051.000
LEROY MATER

ND-EM-052.000
CLARENCE BRANDNER

ND-EM-051.900

PLAN
SCALE: 1"=30'



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 30" PIPELINE

PROFILE
 SCALE: 1"=30' HORIZ.
 1"=20' VERT.

① X=1302831.07
Y=16815485.16

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: © 2ND AVENUE SE
 AT STA. 0+79, ELEV. 1663.08'

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8.dwg 051.900.dwg PLOT DATE: 3/30/2015 BY: MADAMBA, JOEY

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/30/15	JWH	ISSUED FOR USE/PERMIT	PA

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
 2ND AVENUE SE (UNIMPROVED)**

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: RG	DATE: 03/16/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-051.900	A
SCALE: AS SHOWN	APP.:		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002
(Name and Address of Applicant)

802-989-2489 (cell)
(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

80 STREET SE (S-9/16) (T-132) (R-77)

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline
in accordance with plans,
specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-054.900
80 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016 at Linby, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

Al Fowler

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-054.900
80 STREET SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
80STSE	N	9	132	77		
80STSE	S	16	132	77		

Temporary for pipeline construction

Approach Width <small>(Min 24' - Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	NO	

Authorization is hereby given to DAKOTA ACCESS, LLC of 1300 main st., Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

DAKOTA ACCESS, LLC
Applicant

[Signature]
County Road Supt. Approved

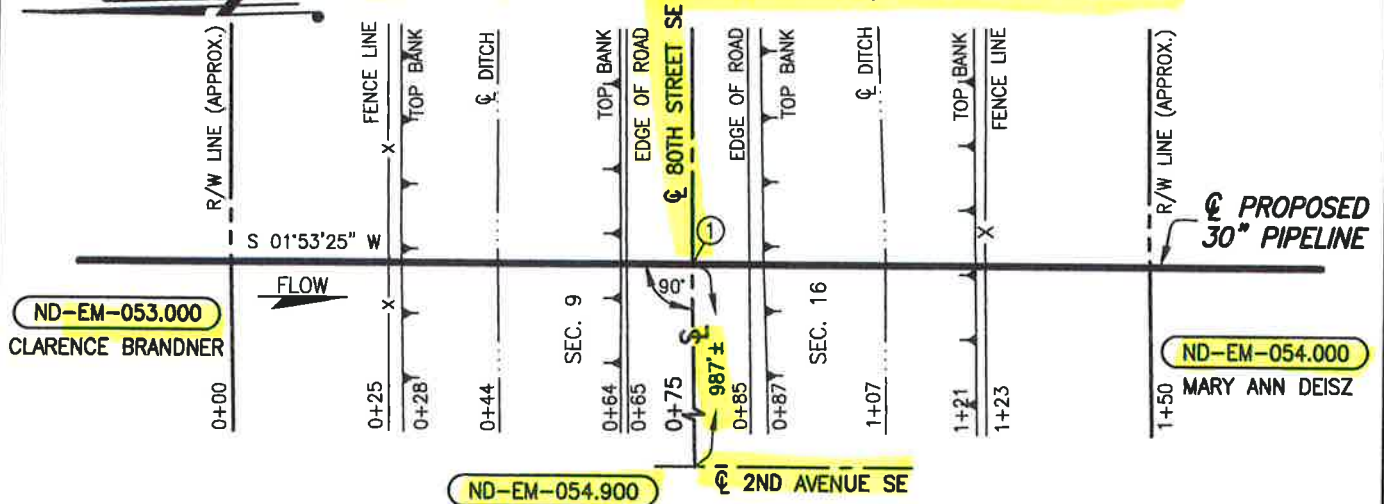
802-989-2489-Cell
Contact # (Phone-Cell)

2-9-16
Dated

ND-EM-054.900 80STREET SE

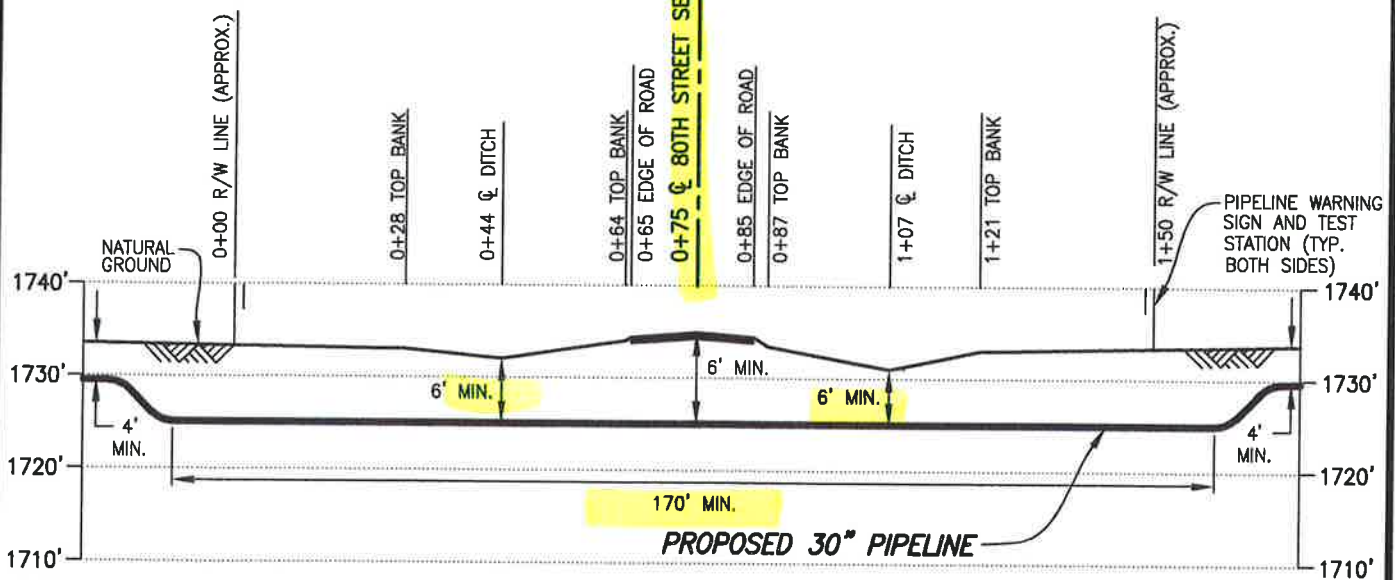
EMMONS COUNTY, NORTH DAKOTA

SECTION 9 & 16, TOWNSHIP 132 NORTH, RANGE 77 WEST



PLAN

SCALE: 1"=30'



PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

① X=1303765.32
Y=16810961.12

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET T.B.M.: \odot 80TH STREET SE AT STA. 0+75, ELEV. 1734.89'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
D	01/07/16	OP	ISSUED FOR USE/PERMIT	RC
C	08/02/15	PRV	ISSUED FOR USE/PERMIT	RC
B	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 80TH STREET SE

EMMONS COUNTY NORTH DAKOTA

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: JSN	DATE: 09/23/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-054.900	D
SCALE: AS SHOWN	APP.:		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

81 STREET SE (S-16/21)(T-132)(R-77)

SECTION LINE

Facilities to be installed pursuant to this permit are 30" CRUDE OIL PIPELINE

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-055.900

81 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

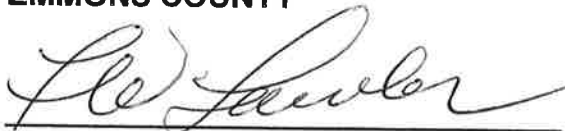
- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Sutton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY



COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



TITLE

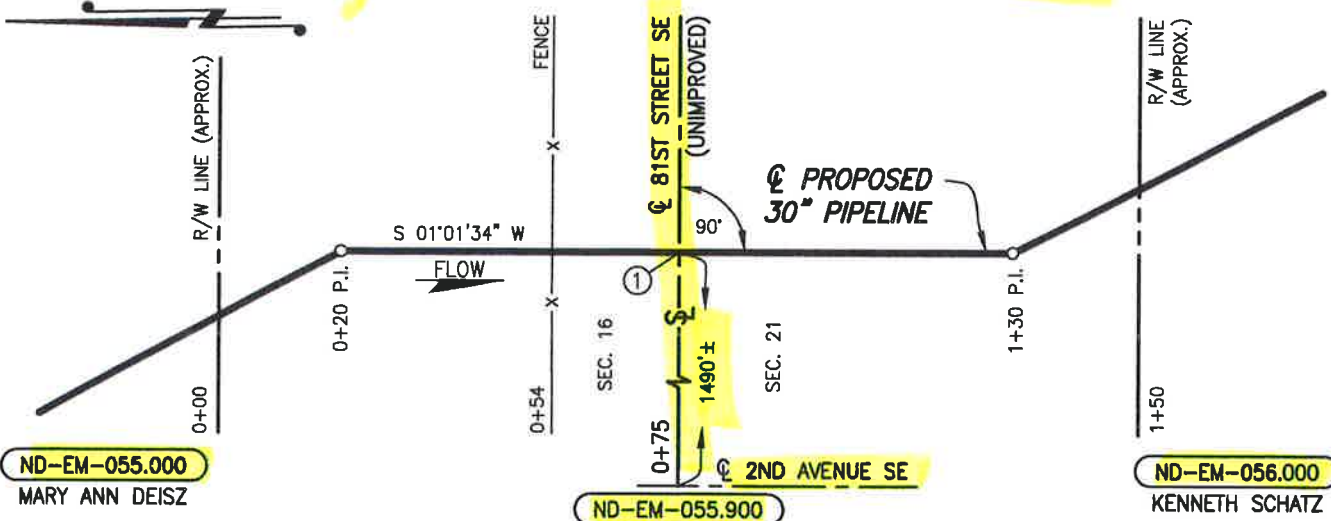
1100 Weiss Avenue, Bismarck, ND 58503

Address that approved permit should be mailed to

ND-EM-055.900
81 STREET SE

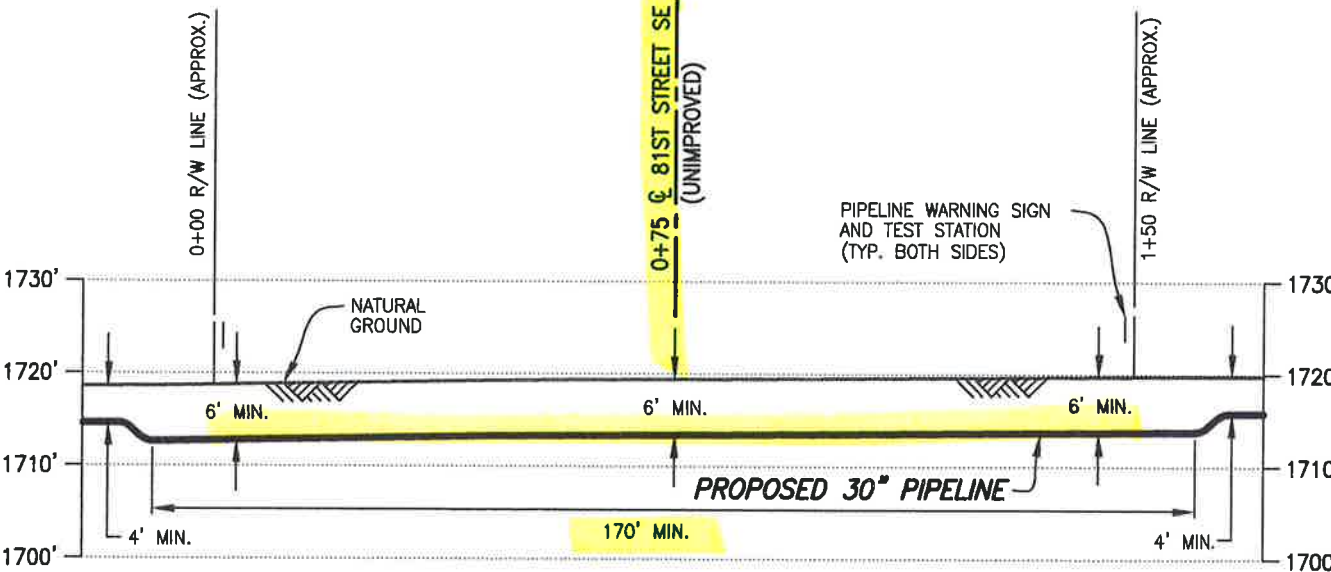
EMMONS COUNTY, NORTH DAKOTA

SECTIONS 16 & 21, TOWNSHIP 132 NORTH, RANGE 77 WEST



PLAN

SCALE: 1"=30'



PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

① X=1304198.16
Y=16805664.44

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot FENCE AT STA. 0+54, ELEV. 1719.26'

REV.	DATE	BY	DESCRIPTION	CHK.
B	01/07/16	OP	ISSUED FOR USE/PERMIT	RC
A	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING
81ST STREET SE (UNIMPROVED)

EMMONS COUNTY

NORTH DAKOTA

DRAWN BY: CHA

DATE: 02/05/15

DWG. NO.

REV.

CHECKED BY: RC

DATE: 03/02/15

ND-EM-055.900

B

SCALE: AS SHOWN

APP.:

3.900.dwg PLOT DATE: 1/7/2016 BY: PALACIOS, OSCAR

103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957--P8--ND--1

FILE: R:\Prc

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 Main Street, Houston, Texas 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

82 STREET SE (21/28)(T-132)(R-77)

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-058.900

82 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of Nov 2016, at Santa, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

COUNTY ROAD SUPERINTENDENT

[Signature]
COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-058.900
82 STREET SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

“Applicant” requests permission to construct a Private/commercial/industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
82 ST. SE	N	21	132	77		
82 ST. SE	S	28	132	77		

Temporary for construction

Approach Width <small>(Min 24' – Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	NO	

Authorization is hereby given to Dakota Access, LLC of 1300 main street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant

Jim Schmidt
County Road Supt. Approved

802-989-2489-Cell
Contact # (Phone-Cell)

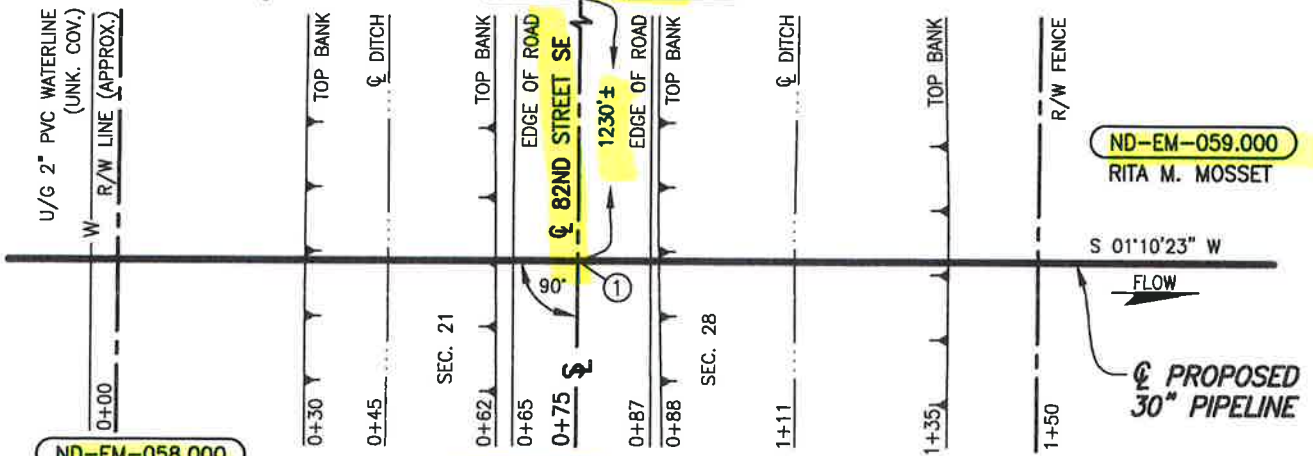
2-9-16
Dated

ND-EM-058.900 82 STREET SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 21 & 28, TOWNSHIP 132 NORTH, RANGE 77 WEST

3RD AVENUE SE



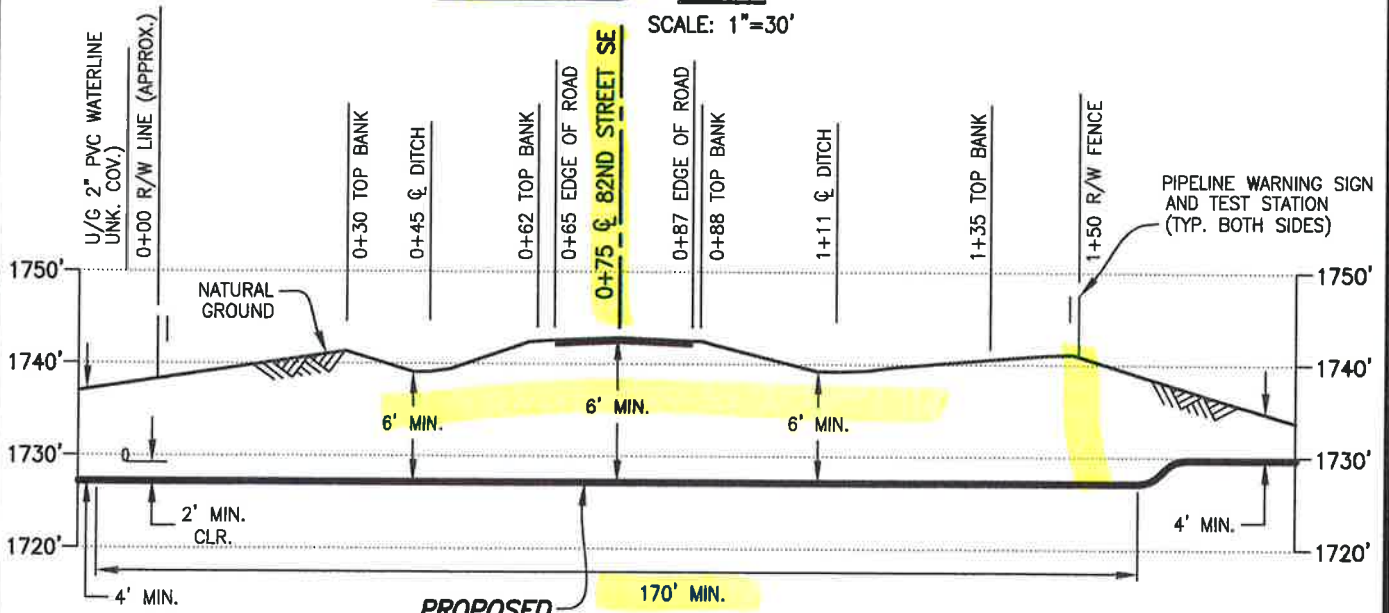
ND-EM-058.000
JEROME C. BOSCH

ND-EM-058.900

PLAN
SCALE: 1"=30'

ND-EM-059.000
RITA M. MOSSET

PROPOSED 30" PIPELINE



PROPOSED 30" PIPELINE

PROFILE
SCALE: 1"=30' HORIZ.
1"=20' VERT.

① X=1306711.73
Y=16800322.47

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 82ND STREET SE AT STA. 0+75, ELEV. 1742.73'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

D	01/07/16	OP	ISSUED FOR USE/PERMIT	RC
C	09/02/15	PRV	ISSUED FOR USE/PERMIT	RC
B	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	
REV.	DATE	BY	DESCRIPTION	CHK.



PROPOSED 30" DAPL PIPELINE CROSSING 82ND STREET SE

PROJECT NO. 10395700

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 10/27/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-058.900	D
SCALE: AS SHOWN	APP.:		



FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8-N -058.900.dwg PLOT DATE: 1/7/2016 BY: PALACIOS, OSCAR

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002
(Name and Address of Applicant)

802-989-2489 (cell)
(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

3 Avenue SE (S-28/27) (T-132) (R-77)

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline
in accordance with plans,
specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-060-900
3 Avenue SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Sinton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

Al Lawler

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-060.900
3 Avenue SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

permanent to value site

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
3 rd ave SE	W	28	132	77		

Approach Width <small>(Min 24' – Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	NO	

Authorization is hereby given to DAKOTA access, LLC of 1300 main St., Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant

[Signature]
County Road Supt. Approved

802-989-2489- Cell
Contact # (Phone-Cell)

2-9-16
Dated
ND-EM-000.900 3rd ave SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

"Applicant" requests permission to construct a ~~Private/commercial/industrial~~ road approach on a Emmons County Road right-of-way.

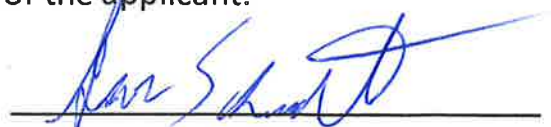
Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
<u>3dne SE</u>	<u>E</u>	<u>27</u>	<u>132</u>	<u>77</u>		

Approach Width <small>(Min 24' – Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	<u>8 : 1</u>	<u>NO</u>	

Authorization is hereby given to Dakota Access, LLC of 1300 Main St., Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant

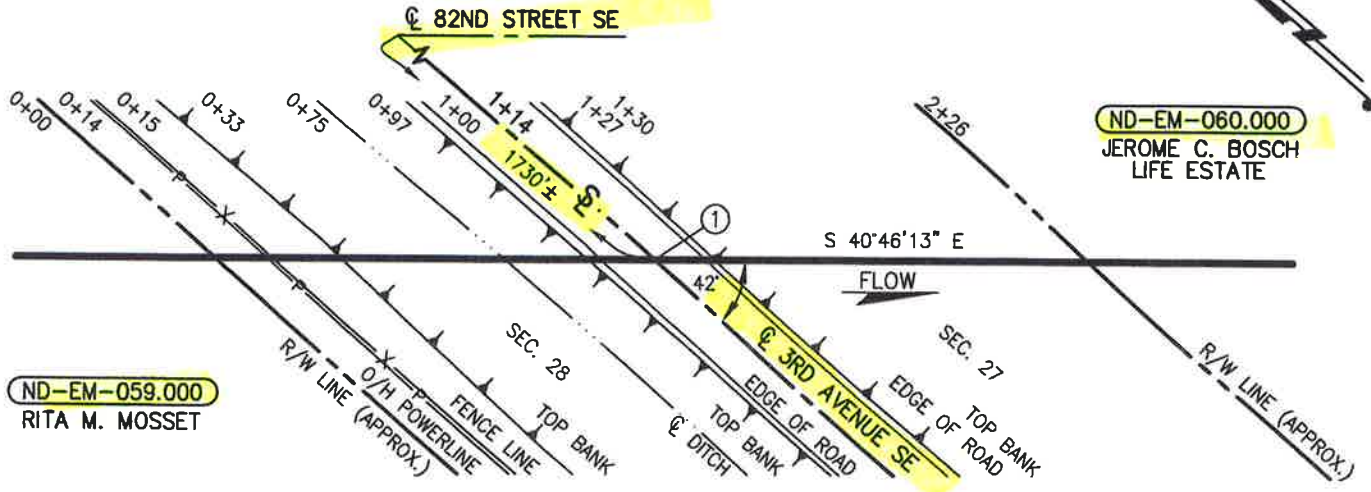

County Road Supt. Approved

802-989-2489- Cell
Contact # (Phone-Cell)

2-9-16
Dated
ND-EM-060.900
3 avenue SE

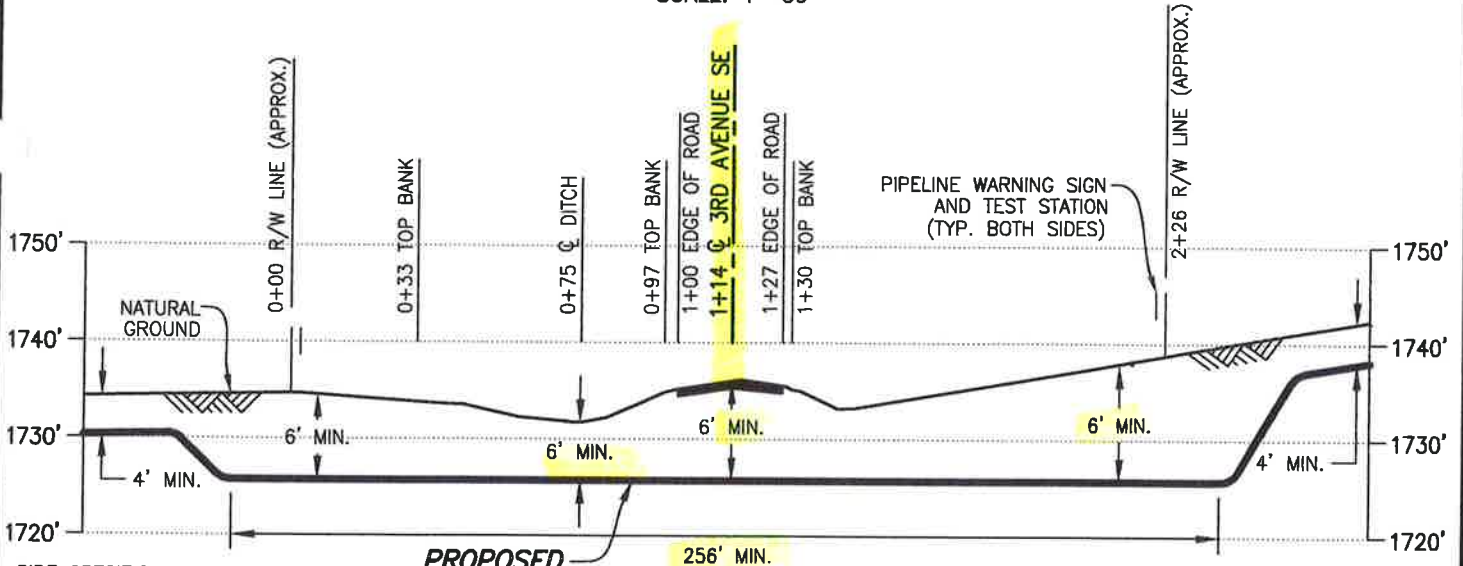
EMMONS COUNTY, NORTH DAKOTA

SECTIONS 27 & 28, TOWNSHIP 132 NORTH, RANGE 77 WEST



PLAN

SCALE: 1"=50'



PROPOSED 30" PIPELINE

PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

① X=1307911.28
Y=16798569.49

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 3RD AVENUE SE AT STA. 1+14, ELEV. 1736.06'

C	11/04/15	PRV	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	RC
	DATE	BY	DESCRIPTION	CHK.



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 3RD AVENUE SE

PROJECT NO. 10395700

EMMONS COUNTY NORTH DAKOTA



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: PRV	DATE: 10/27/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-060.900	C
SCALE: AS SHOWN	APP.: RC		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002
(Name and Address of Applicant)

802-989-2489 (cell)
(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

84 STREET SE (S-34/3)(T-132/131)(R-77)

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline
in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-065.910
84 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Sioux, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-065.910
84 STREET SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
84 94 ST SE	N	34	132	77		
84 94 ST SE	S	3	131	77		

Temporary for construction

Approach Width <small>(Min 24' – Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	NO	

Authorization is hereby given to DAKOTA ACCESS, LLC of 1300 main street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant

Greg Schmitt
County Road Supt. Approved

802-989-2489- Cell
Contact # (Phone-Cell)

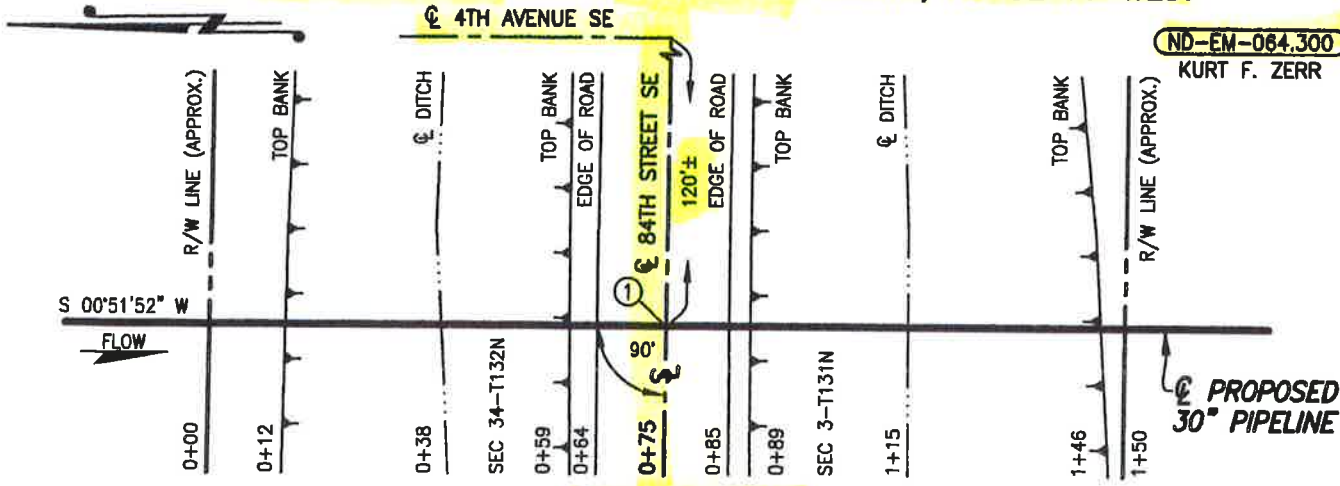
2-9-16
Dated

ND-EM-065.910

84 STREET SE

EMMONS COUNTY, NORTH DAKOTA

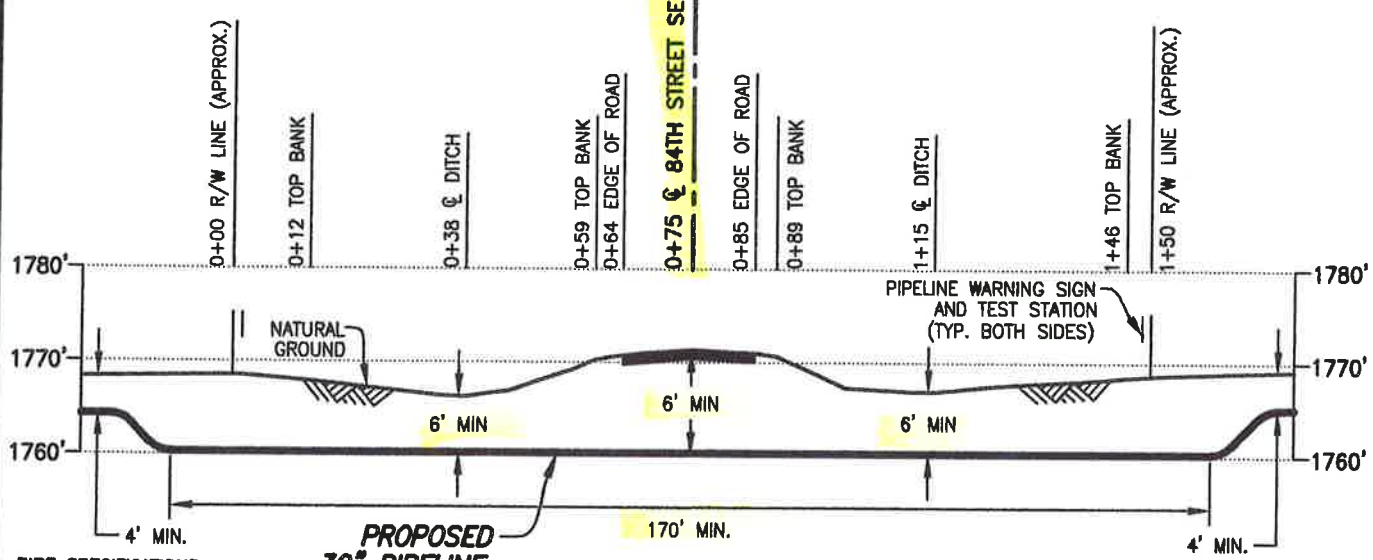
SECTIONS 3 & 34, TOWNSHIPS 131 & 132 NORTH, RANGE 77 WEST



ND-EM-064.000
RITA M. MOSSET

ND-EM-065.910
PLAN
SCALE: 1"=30'

ND-EM-064.300
KURT F. ZERR



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE
 SCALE: 1"=30' HORIZ.
 1"=20' VERT.

① X=1312934.61
 Y=16789655.02
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: ☉ 84TH STREET SE
 AT STA. 0+75, ELEV. 1771.63'

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8-.M-065.910.dwg PLOT DATE: 9/3/2015 BY: VILLARREAL, PHIL

REV.	DATE	BY	DESCRIPTION	CHK.
B	09/02/15	PRV	ISSUED FOR USE/PERMIT	RC
A	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
 84TH STREET SE**

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 02/15/15	DWG. NO.	REV.
CHECKED BY:	DATE:	ND-EM-065.910	B
SCALE: AS SHOWN	APP.:		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 Main Street, Houston, Texas 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

4 Avenue SE (S-3/2) (T-131) (R-77)

Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-065-900
4 Avenue SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Simons, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

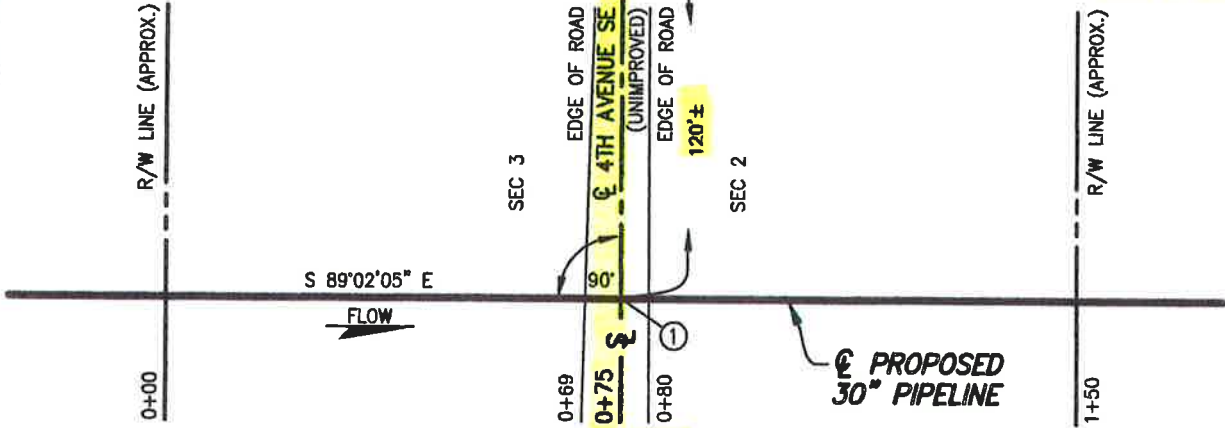
ND-EM-065.900
4 Avenue SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 3 & 2, TOWNSHIP 131 NORTH, RANGE 77 WEST

☉ 84TH STREET SE

ND-EM-068.000
KURT F. ZERR

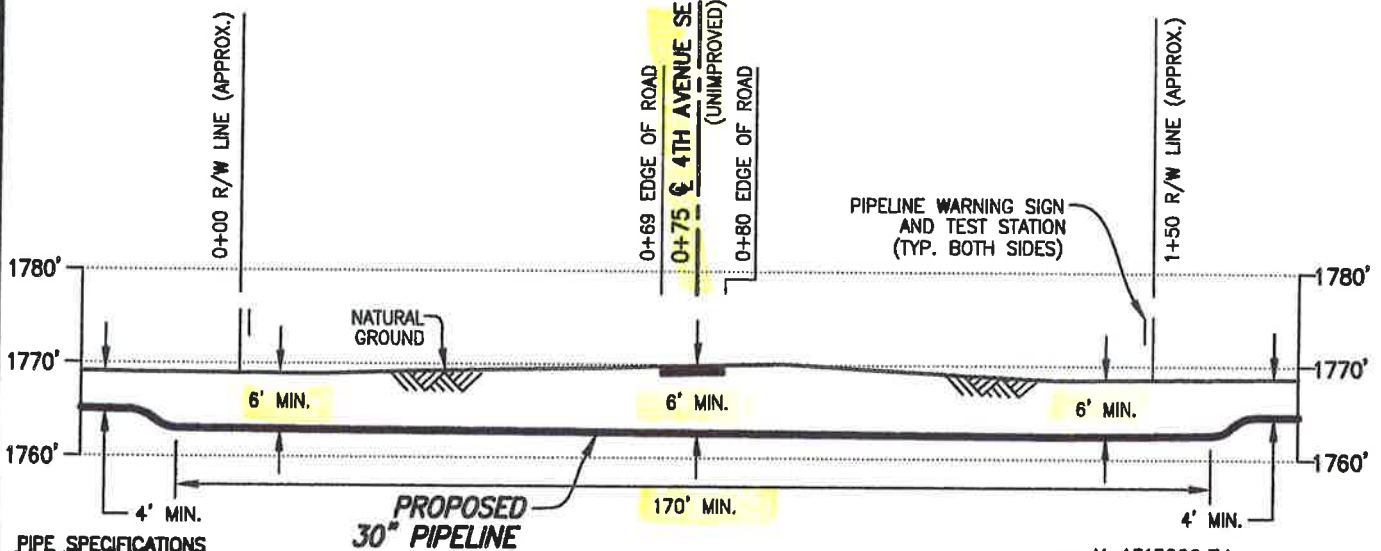


ND-EM-064.300
KURT F. ZERR

ND-EM-065.900

PLAN

SCALE: 1"=30'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

① X=1313060.74
Y=16789528.17

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: ☉ 4TH AVENUE SE (UNIMPROVED) AT STA. 0+75, ELEV. 1769.93'

REV.	DATE	BY	DESCRIPTION	CHK.
B	09/02/15	PRV	ISSUED FOR USE/PERMIT	RC
A	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 4TH AVENUE SE (UNIMPROVED)

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: OP	DATE: 02/05/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-065.900	B
SCALE: AS SHOWN	APP.:		



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

PROJECT NO. 10395700

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-N...-065.900.dwg PLOT DATE: 9/3/2015 BY: VILLARREAL, PHIL

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

5 Avenue SE (S-211) (T-131) (R-77)

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-068.900
5 Avenue SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at

Devon, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

AW Leeb

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

**ACCEPTANCE OF TERMS
AND CONDITIONS**

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-068-900
5 Avenue SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction
"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
5AVE SE	W	2	131	77		
5AVE SE	E	1	131	77		

Temporary for pipeline construction

Approach Width (Min 24' – Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8:1	NO	

Authorization is hereby given to DAKOTA ACCESS, LLC of 1300 main St., Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

DAKOTA ACCESS, LLC
Applicant

[Signature]
County Road Supt. Approved

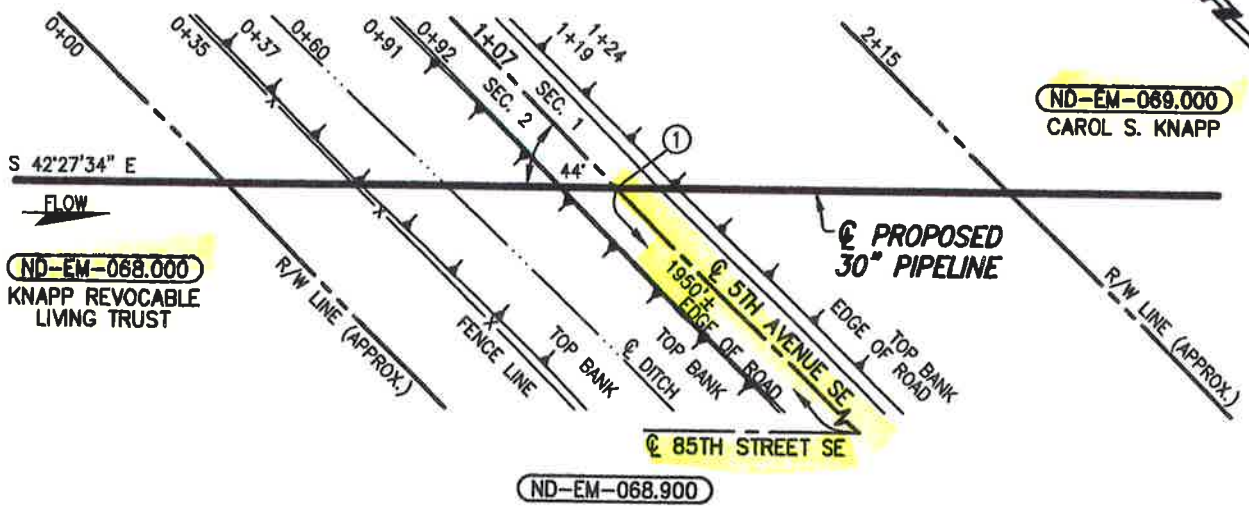
802-989-2489- Cell
Contact # (Phone-Cell)

2-9-16
Dated

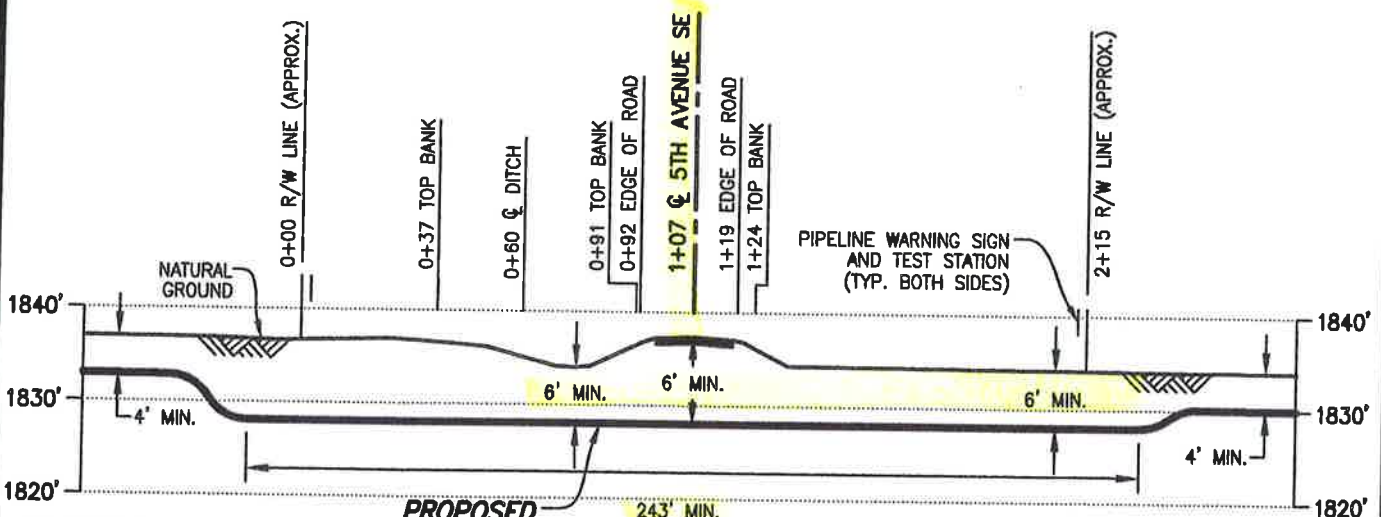
ND-EM1-068.900 5 Avenue SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 2 & 1, TOWNSHIP 131 NORTH, RANGE 77 WEST



PLAN
SCALE: 1"=50'



PROFILE
SCALE: 1"=50' HORIZ.
1"=20' VERT.

① X=1318236.61
Y=16786203.57

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET


T.B.M.: \odot 5TH AVENUE SE AT STA. 1+07, ELEV. 1837.43'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
A	06/30/15	JMH	ISSUED FOR USE/PERMIT	EDF

PROJECT NO. **10395700**



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 5TH AVENUE SE

EMMONS COUNTY NORTH DAKOTA

DRAWN BY: RG	DATE: 09/23/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-068.900	A
SCALE: AS SHOWN	APP.:		

FILE: R:\cts\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-..._M-068.900.dwg PLOT DATE: 7/2/2015 BY: HARBOLT, JASON

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

85 STREET SE (S-1/12)(T-131)(R-77)

Section line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

PD-EM-069.000
85 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of Mar, 2016, at Emmons, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]

APPLICANT SIGNATURE

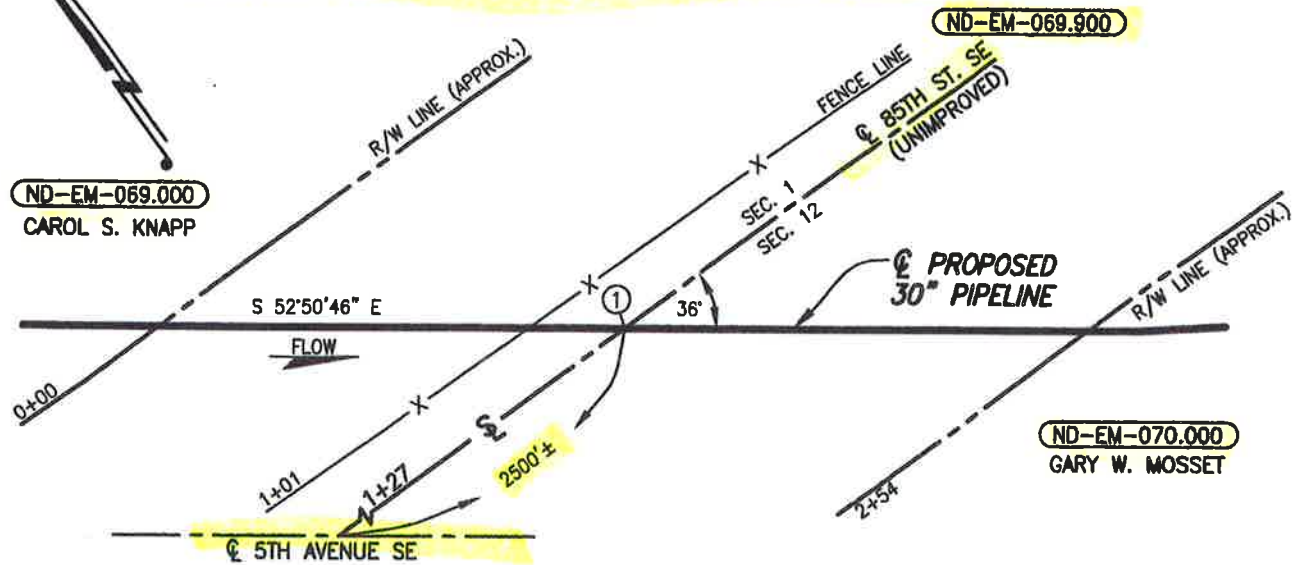
TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-069.000
85 STREET SE

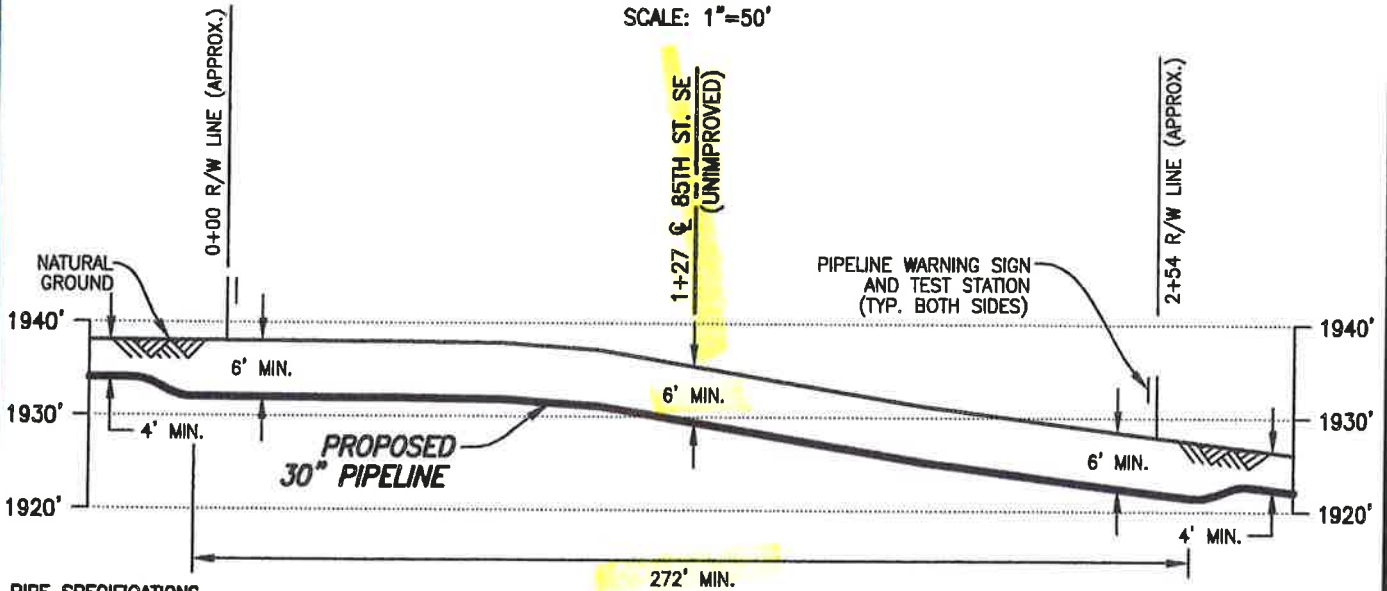
EMMONS COUNTY, NORTH DAKOTA

SECTIONS 1 & 12, TOWNSHIP 131 NORTH, RANGE 77 WEST



PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

PIPE 30" O.D., 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

① X=1320676.52
Y=16784218.94
DATUM:
ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 14
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET
T.B.M.: ☉ 85TH STREET SE
AT STA. 1+27, ELEV. 1935.39'

REV.	DATE	BY	DESCRIPTION	CHK.
C	08/02/15	PRV	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 85TH STREET SE (UNIMPROVED)

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: JWH	DATE: 03/17/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-069.900	C
SCALE: AS SHOWN	APP.:		

FILE: R:\... 103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-1... .M-069.900.dwg PLOT DATE: 9/3/2015 BY: VILLARREAL, PHIL

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

6 Avenue SE (S-12/7) (T-131) (R-77/76)

Section line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-071.900
6 Avenue SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Leida, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

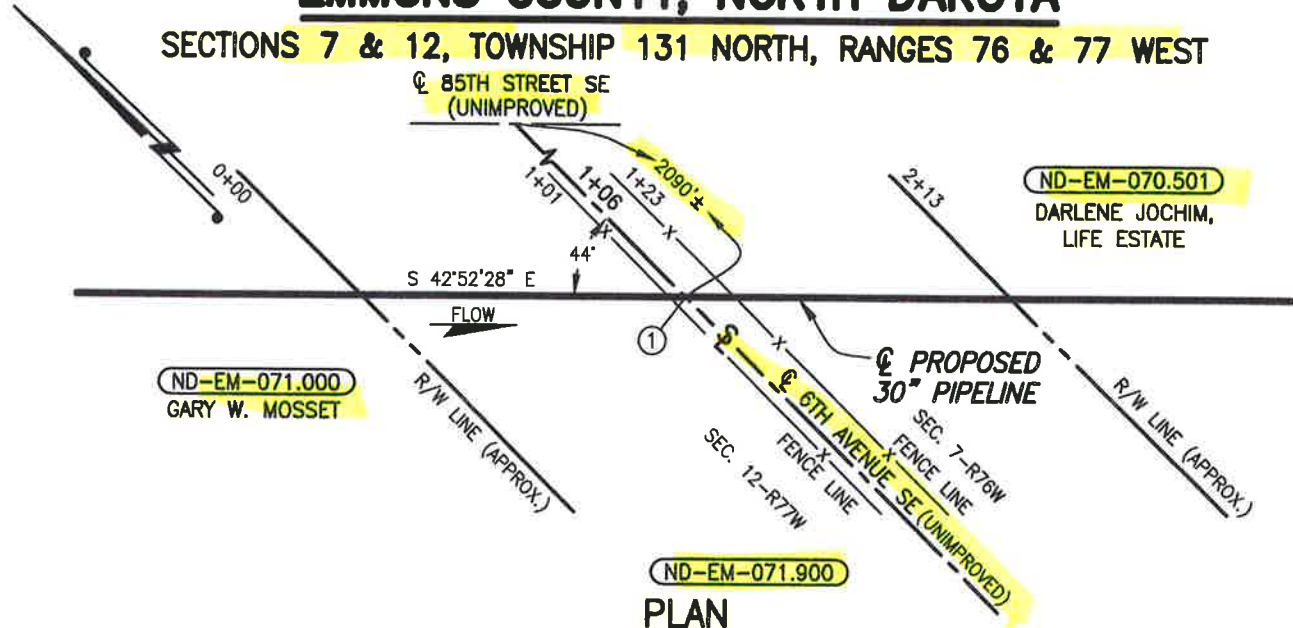
TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-071.900
6 Avenue SE

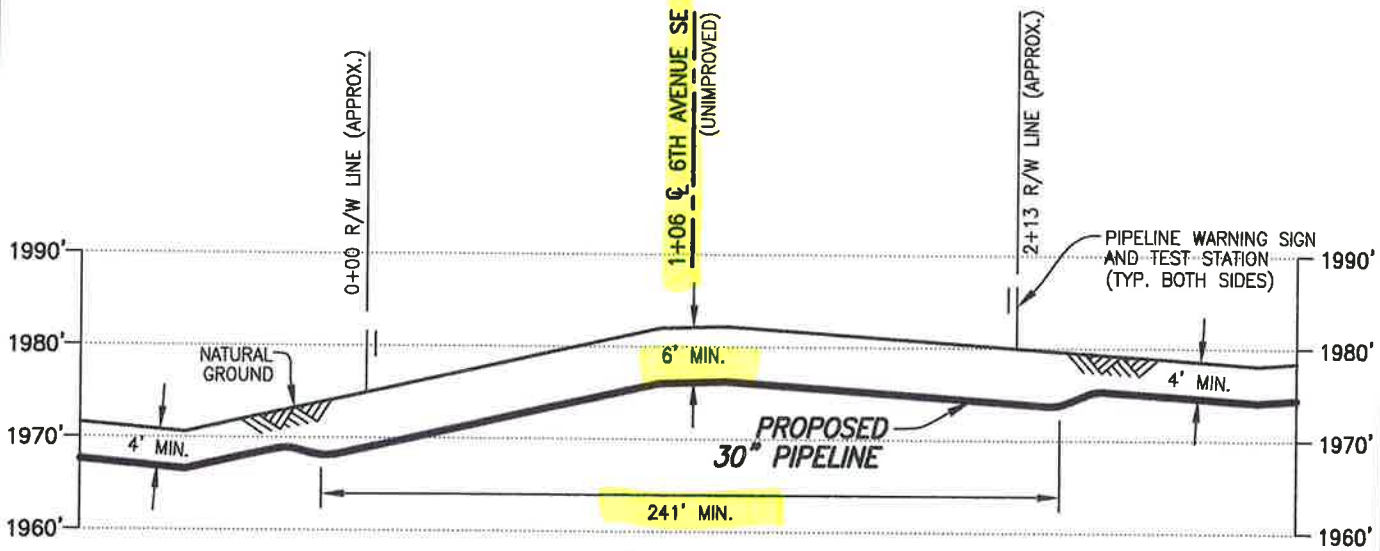
EMMONS COUNTY, NORTH DAKOTA

SECTIONS 7 & 12, TOWNSHIP 131 NORTH, RANGES 76 & 77 WEST



PLAN

SCALE: 1"=60'



PROFILE

SCALE: 1"=60' HORIZ.
1"=20' VERT.

① X=1323421.05
Y=16782108.65

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: 6TH AVENUE SE (UNIMPROVED) AT STA. 1+06, ELEV. 1982.00'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
B	01/07/16	OP	ISSUED FOR USE/PERMIT	RC
A	03/30/15	PRV	ISSUED FOR USE/PERMIT	PA

PROJECT NO. 10395700

WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 6TH AVENUE SE (UNIMPROVED)

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 03/16/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-071.900	B
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-NI 071.900.dwg PLOT DATE: 1/7/2016 BY: PALACIOS, OSCAR

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

86 STREET SE (S-7/18)(T-131)(R-76)

Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-074.900

86 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016 at Sioux, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY



COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way


APPLICANT SIGNATURE

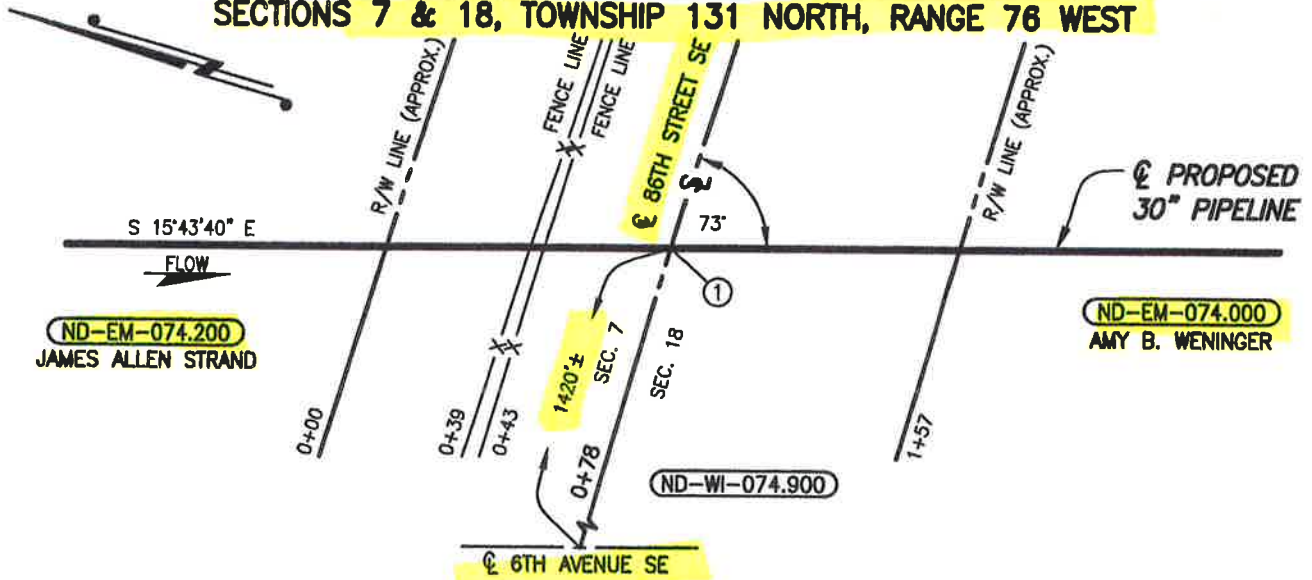
TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-074.900
86 STREET SE

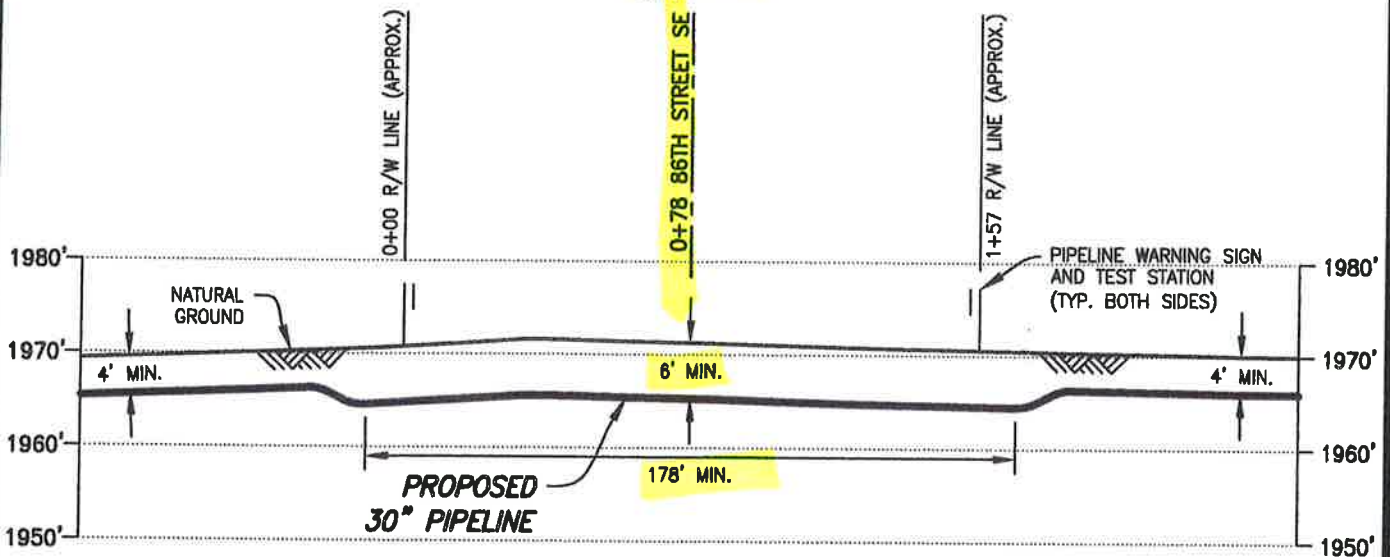
EMMONS COUNTY, NORTH DAKOTA

SECTIONS 7 & 18, TOWNSHIP 131 NORTH, RANGE 76 WEST



PLAN

SCALE: 1"=20'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=50' HORIZ.
 1"=20' VERT.

① X=1324755.79
 Y=16778854.68

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: \odot 86TH STREET SE AT STA. 0+78, ELEV. 1971.29'

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/30/15	JWH	ISSUED FOR USE/PERMIT	PA

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 86TH STREET SE

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 03/16/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-074.900	A
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-1.dwg PLOT DATE: 3/30/2015 BY: MADAMBA, JOEY

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

87 STREET SE (S-18/19) (T-131) (R-76)

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-076.910
87 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Bison, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

Al Seiber

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503

Address that approved permit should be mailed to

*ND-Em-076.910
87 STREET SE*

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude Office use only	Latitude Office use only
87ST.SE	N	18	131	76		
87ST.SE	S	19	131	76		

Temporary for pipeline construction

Approach Width (Min 24' – Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8 : 1	NO	

Authorization is hereby given to DAKOTA ACCESS, LLC of 1300 Main St., Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant

[Signature]
County Road Supt. Approved

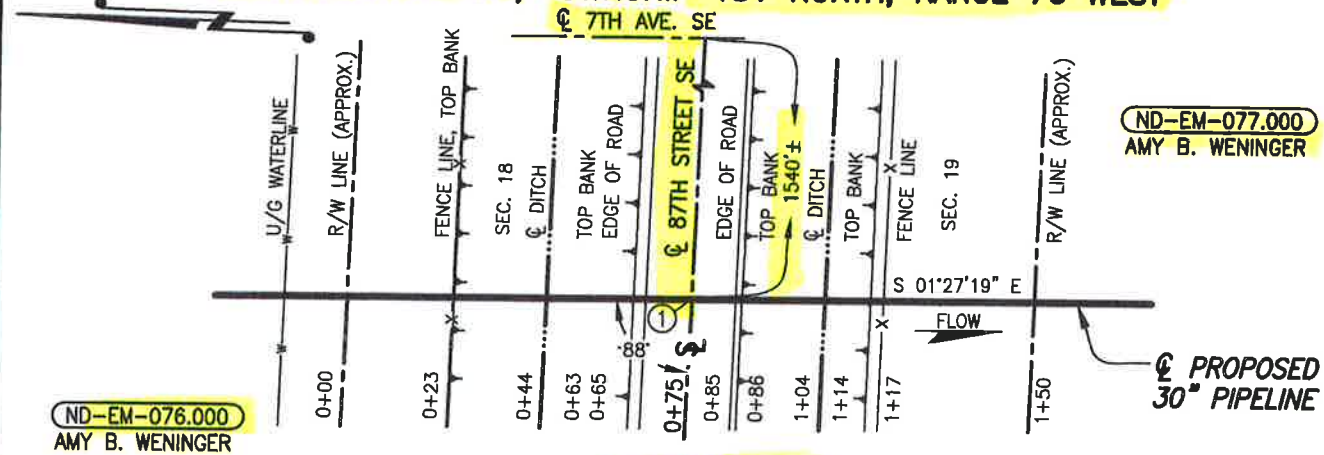
802-989-2489-Cell
Contact # (Phone-Cell)

2-9-16
Dated

ND-EMM-076.910 87 STREET SE

EMMONS COUNTY, NORTH DAKOTA

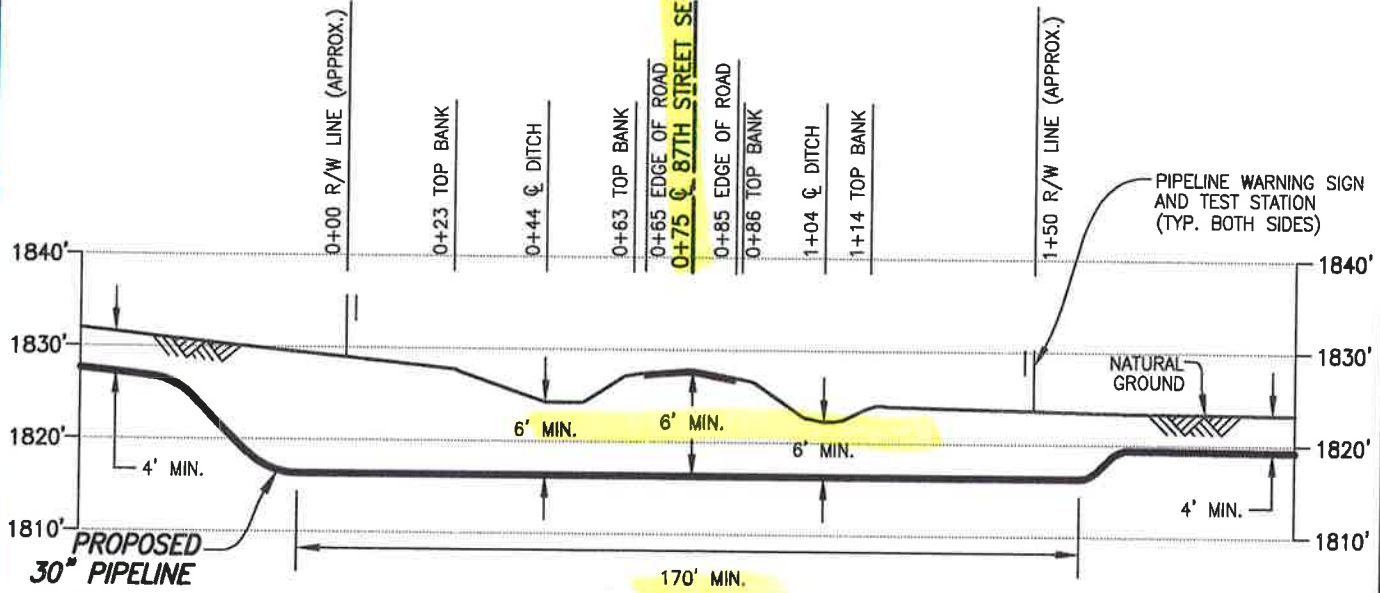
SECTIONS 18 & 19, TOWNSHIP 131 NORTH, RANGE 76 WEST



ND-EM-076.910

PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=1326540.76
Y=16773537.04

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: ϕ 87TH STREET SE AT STA. 0+75, ELEV. 1827.81'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

D	01/07/16	OP	ISSUED FOR USE/PERMIT	RC
C	11/04/15	JTM	ISSUED FOR USE/PERMIT	RC
B	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	
REV.	DATE	BY	DESCRIPTION	CHK.



PROPOSED 30" DAPL PIPELINE CROSSING 87TH STREET SE

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: JSN	DATE: 09/23/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-076.910	D
SCALE: AS SHOWN	APP.:		

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

FILE: R:\PI\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8-ND-76.910.dwg PLOT DATE: 1/7/2016 BY: MADAMBA, JOEY

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Simbs, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

AW Leuber

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

**ACCEPTANCE OF TERMS
AND CONDITIONS**

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

*ND-Em-079.900
7 Avenue SE*

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction
"Applicant" requests permission to construct a ~~private/commercial/industrial~~ road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
7 th Ave SE	W	19	131	76		
7 th Ave SE	E	20	131	76		

Temporary for pipeline construction

Approach Width <small>(Min 24' – Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	yes	18" Both sides

Authorization is hereby given to DAKOTA ACCESS, LLC of 1300 main st., Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

DAKOTA ACCESS, LLC
Applicant

[Signature]
County Road Supt. Approved

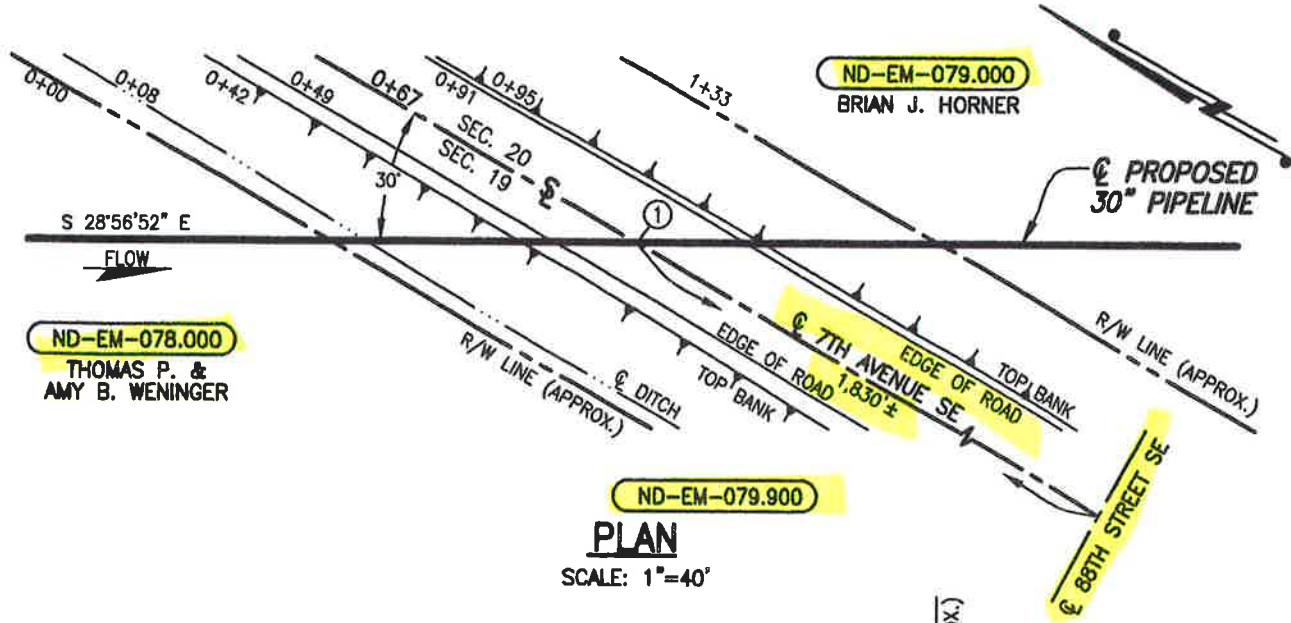
802-989-2489-Cell
Contact # (Phone-Cell)

2-9-16
Dated

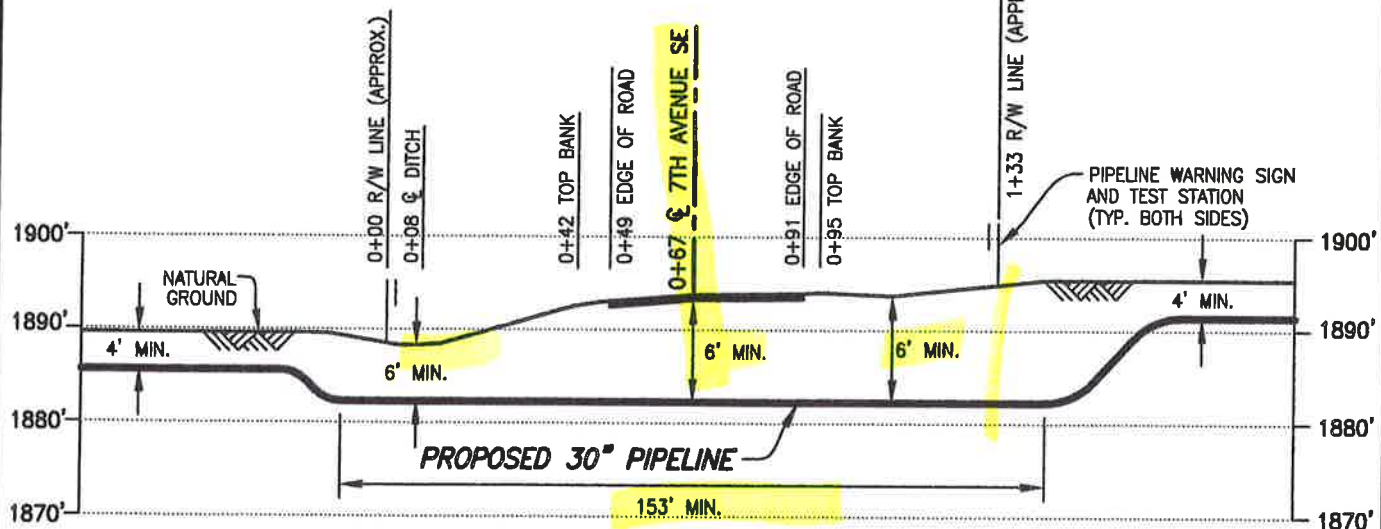
ND-EM-079.900 7 Avenue SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 19 & 20, TOWNSHIP 131 NORTH, RANGE 76 WEST



PLAN
SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=1328038.38
Y=16770072.33

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 7TH AVENUE SE AT STA. 0+67, ELEV. 1893.83'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILES FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
C	09/01/15	RG	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	

PROJECT NO. **10395700**



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 7TH AVENUE SE

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 11/17/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-079.900	C
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-N...-079.900.dwg PLOT DATE: 9/3/2015 BY: VILLARREAL, PHIL

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

88 STREET SE (S-20/29)(T-131)(R-76)

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-079-910
88 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Sinton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-079.910
88 STREET SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

"Applicant" requests permission to construct a ~~Private/commercial/industrial~~ road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
88 ST. SE	N	20	131	76		
88 ST. SE	S	29	131	76		

Temporary for pipeline construction

Approach Width (Min 24' – Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8 : 1	yes	18" Both sides

Authorization is hereby given to DAKOTA ACCESS, LLC of 1300 Main St., Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant

[Signature]
County Road Supt. Approved

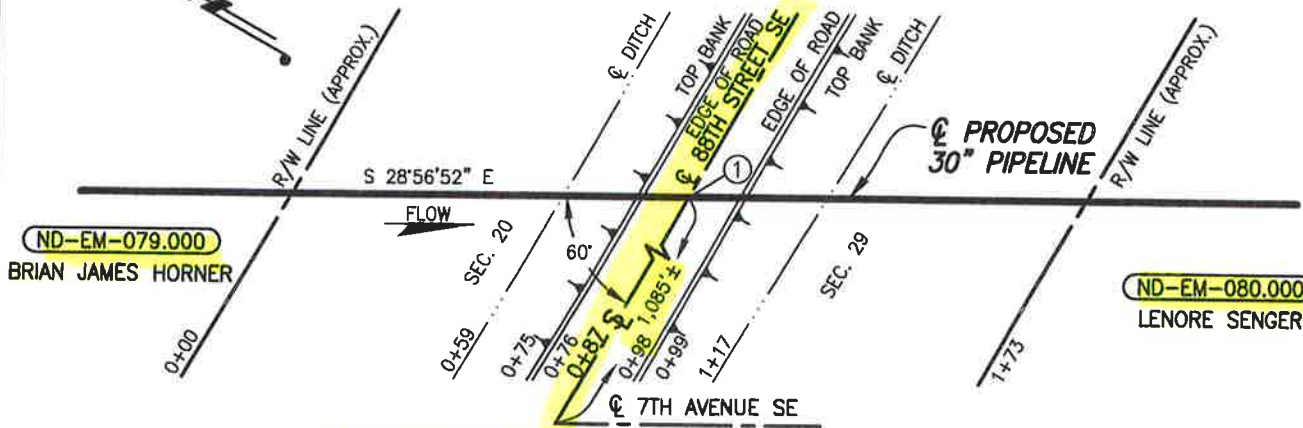
802-989-2489-Cell
Contact # (Phone-Cell)

9-10-16
Dated

ND-EM-079.910 88 ST. SE

EMMONS COUNTY, NORTH DAKOTA

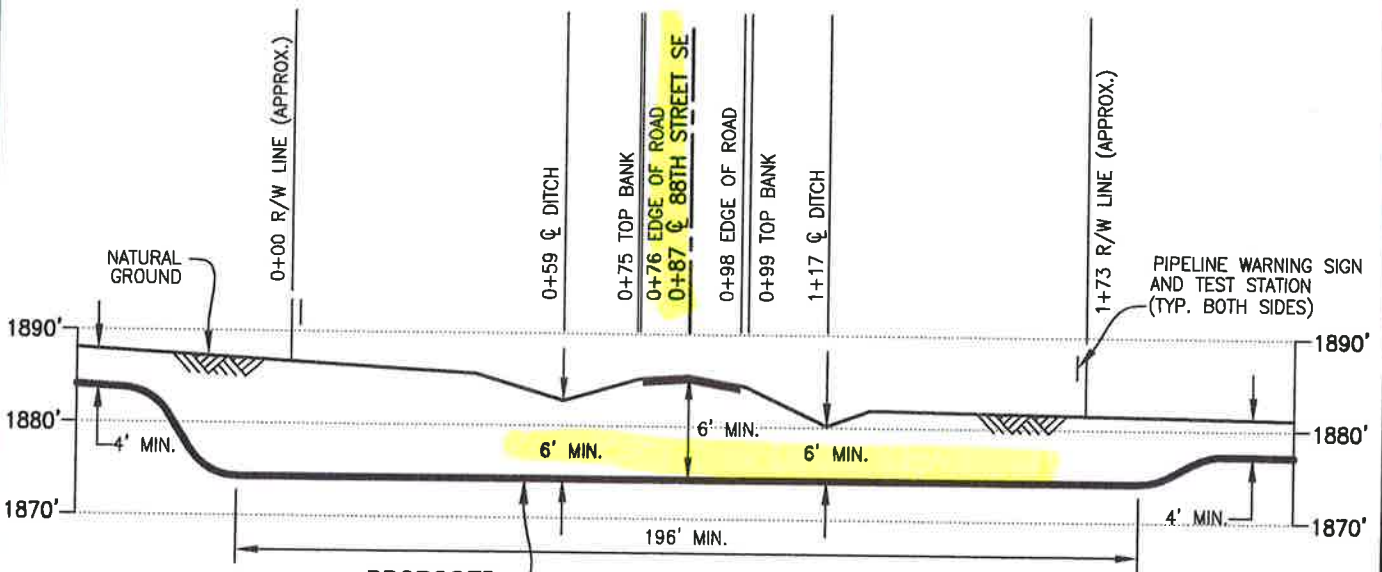
SECTIONS 20 & 29, TOWNSHIP 131 NORTH, RANGE 76 WEST



ND-EM-079.910

PLAN

SCALE: 1"=40'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 30" PIPELINE

PROFILE

SCALE: 1"=40' HORIZ.
 1"=20' VERT.

① X=1329075.10
 Y=16768198.01

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: \odot 88TH STREET SE AT STA. 0+87, ELEV. 1885.54'

REV.	DATE	BY	DESCRIPTION	CHK.
C	01/07/16	OP	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 88TH STREET SE

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: TD	DATE: 09/23/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-079.910	C
SCALE: AS SHOWN	APP.:		



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002
(Name and Address of Applicant)

802-989-2489 (cell)
(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

89 STREET SE (S-29/32)(T-131)(R-76)

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline
_____ in accordance with plans,
specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-082.900
89 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Sinton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-082.900
89 STREET SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

“Applicant” requests permission to construct a ~~Private/commercial/industrial~~ road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
89 ST. SE	N	29	131	76		

Temporary for pipeline construction

Approach Width <small>(Min 24' – Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	yes	18" Both sides

Authorization is hereby given to Dakota Access, LLC of 1300 main St., Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant

[Signature]
County Road Supt. Approved

802-989-2489-Cell
Contact # (Phone-Cell)

2-10-16
Dated

ND-EM-082.900 89 STREET SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

permanent to value site

"Applicant" requests permission to construct a ~~Private/commercial/industrial~~ road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
89 ST. SE	S	32	131	76		

permanent to value site

Approach Width <small>(Min 24' - Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	yes	18"

Authorization is hereby given to Dakota Access, LLC of 1300 Main St, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant

[Signature]
County Road Supt. Approved

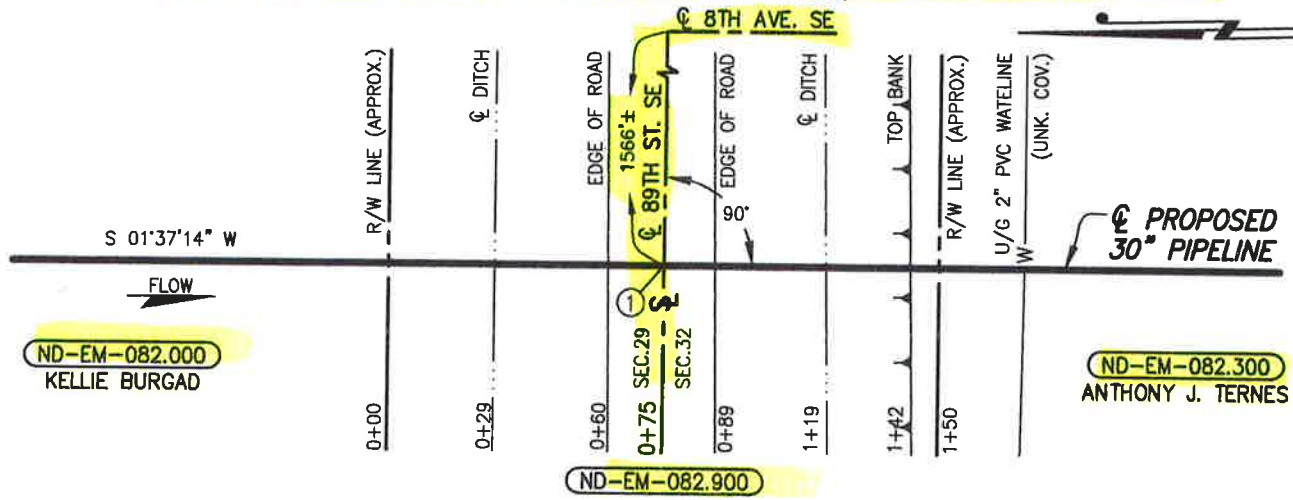
802-989-2489-Cell
Contact # (Phone-Cell)

2-10-16
Dated

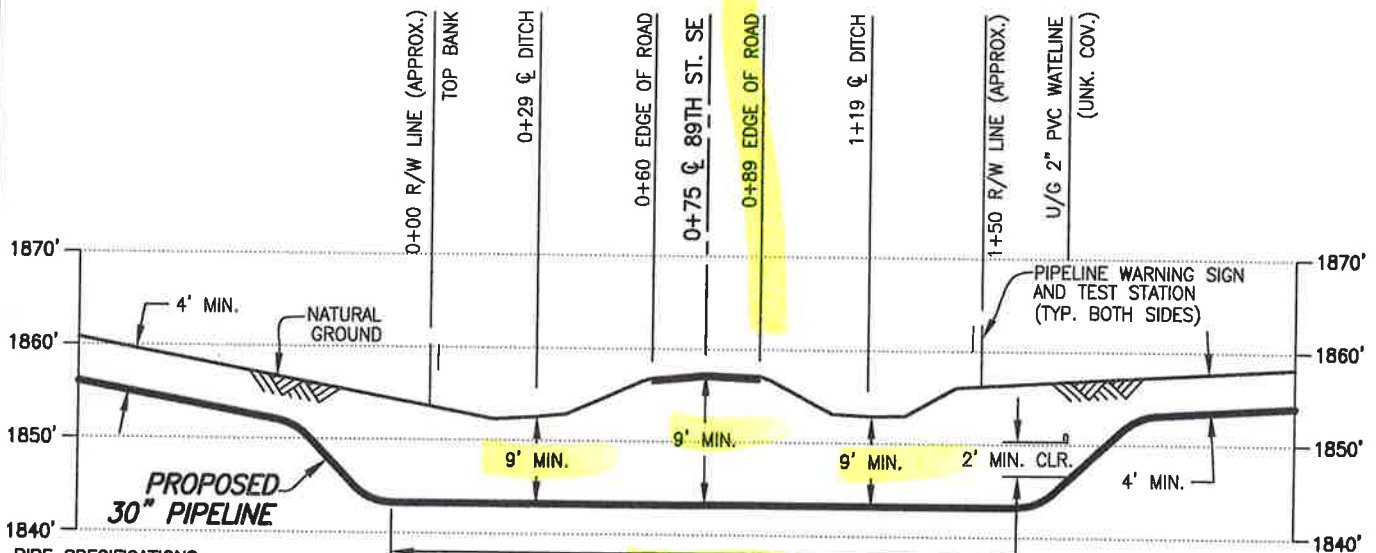
ND-EM-082.900 89 STREET SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 29 & 32, TOWNSHIP 131 NORTH, RANGE 76 WEST



SCALE: 1"=50'
PLAN



PROFILE
SCALE: 1"=50' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=1331677.81
 Y=16762870.75
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: ϕ 89TH STREET SE
 AT STA. 0+75, ELEV. 1857.27'

REV.	DATE	BY	DESCRIPTION	CHK.
D	01/07/16	MM	ISSUED FOR USE/PERMIT	
C	09/01/15	RG	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 89TH STREET SE

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: OP	DATE: 12/02/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-082.900	D
SCALE: AS SHOWN	APP.:		



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

PROJECT NO. **10395700**

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

90 STREET SE (S-32/5) (T-131/130) (R-76)

Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE OIL PIPELINE

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-085.920
90 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at

Leitch, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

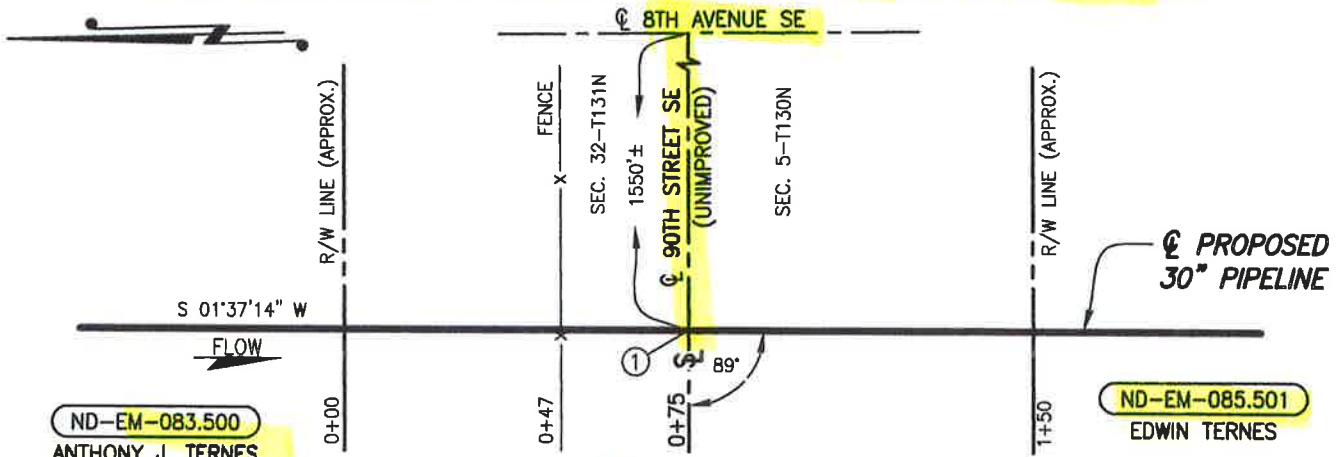
TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

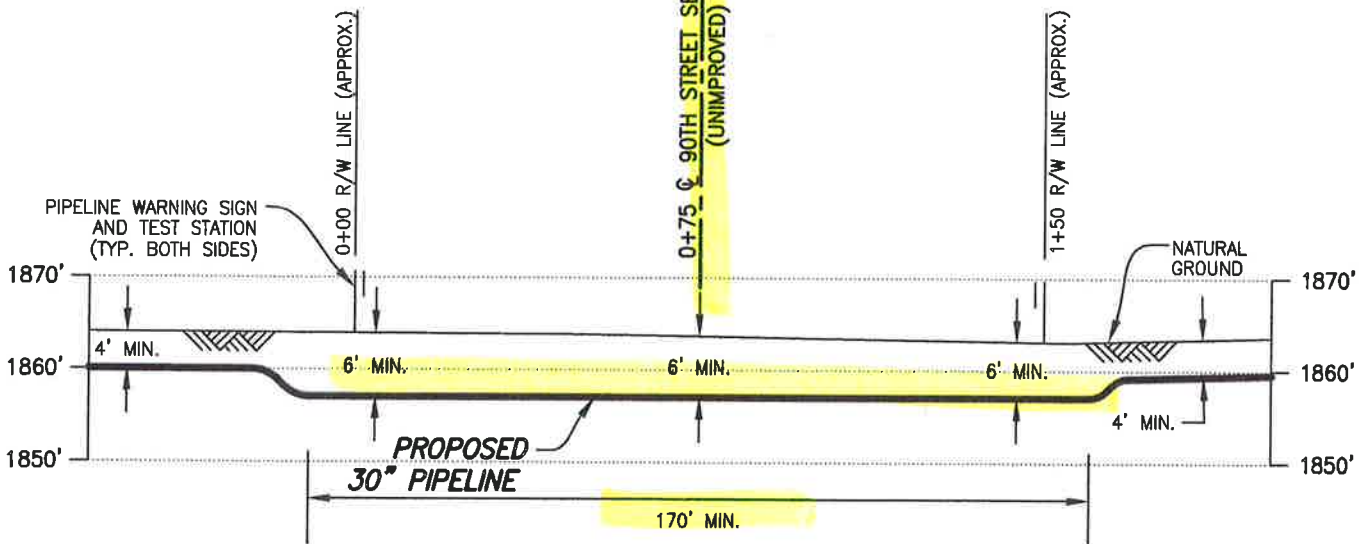
ND-EM-085.920
90 STREET SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 5 & 32, TOWNSHIPS 130 & 131 NORTH, RANGE 76 WEST



PLAN
SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=1331528.23
Y=16757584.04

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET T.B.M.: ϕ FENCE AT STA. 0+47, ELEV. 1863.88'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
B	01/07/16	JTM	ISSUED FOR USE/PERMIT	RC
A	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 90TH STREET SE (UNIMPROVED)

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: CHA	DATE: 02/05/16	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-085.920	B
SCALE: AS SHOWN	APP.:		

FILE: R:\Pro\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-ND-1.dwg PLOT DATE: 1/7/2016 BY: VILLARREAL, PHIL

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 Main Street, Houston, Texas 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

8 Avenue SE (S-5/4)(T-130)(R-76)

Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-085-⁵⁰⁶900

8 Avenue SE

ND-EM 085.500.900

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Sinton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

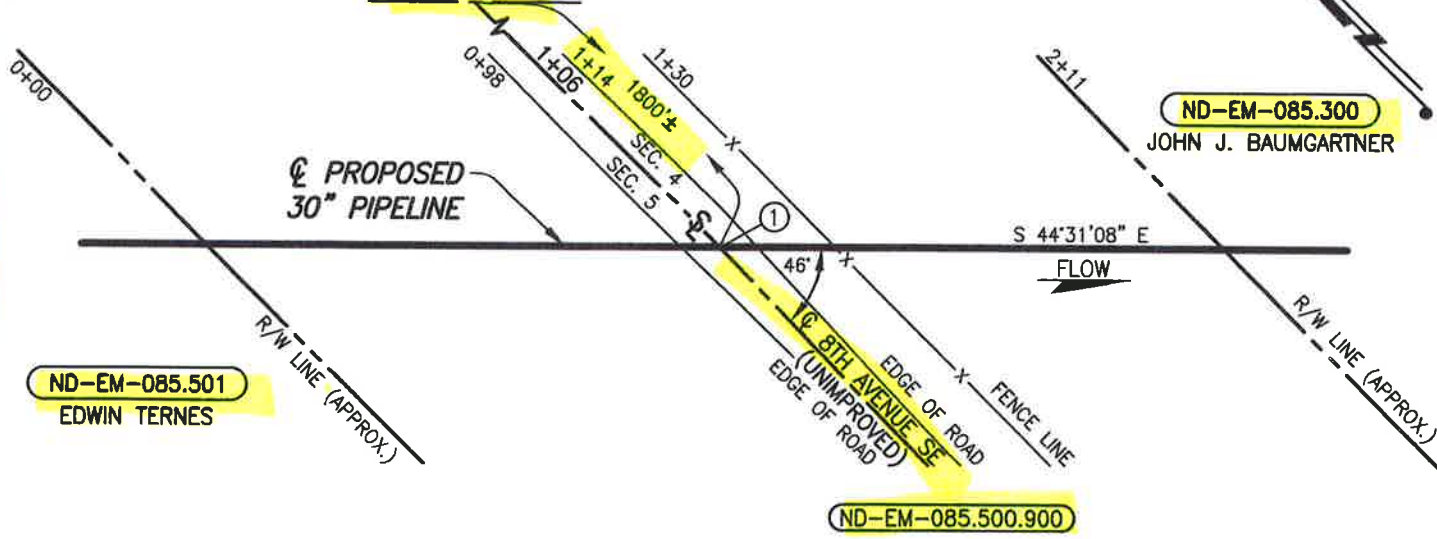
1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-085-900
8 Avenue SE
ND-EM 085.500.900

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 4 & 5, TOWNSHIP 130 NORTH, RANGE 76 WEST

☉ 90TH STREET SE

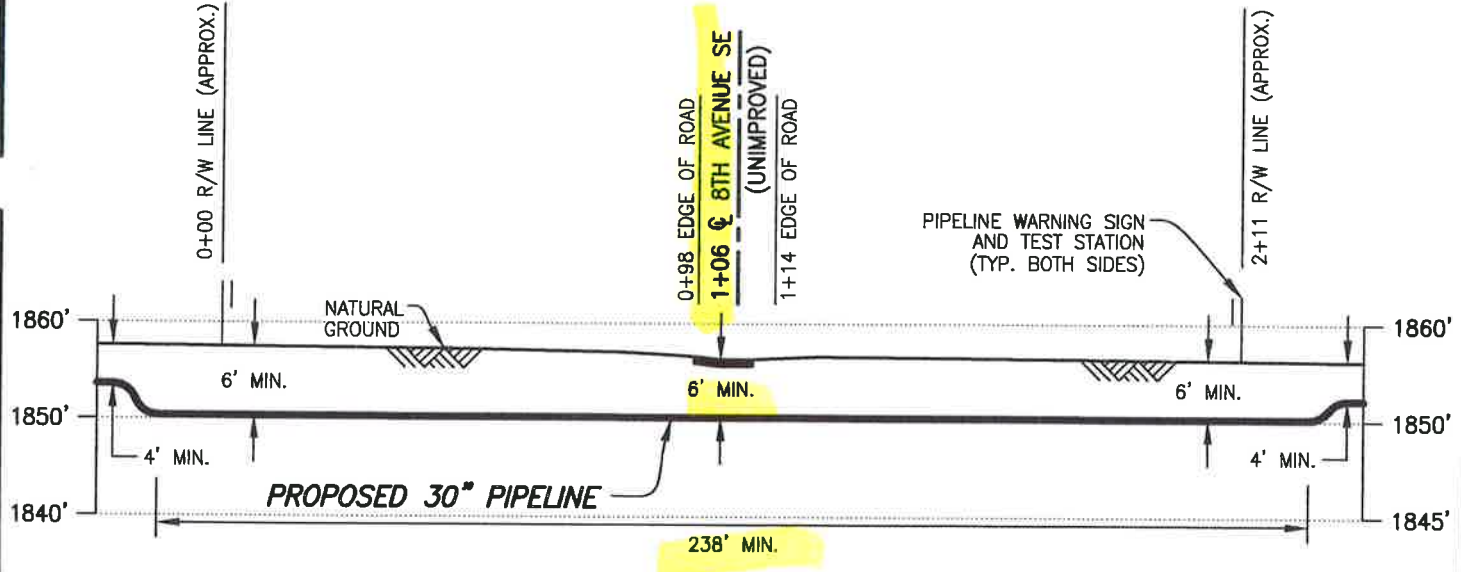


ND-EM-085.501
EDWIN TERNES

ND-EM-085.300
JOHN J. BAUMGARTNER

ND-EM-085.500.900

PLAN
SCALE: 1"=40'



PROFILE
SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=1333040.33
Y=16755754.76

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: ☉ 8TH AVENUE SE (UNIMPROVED) AT STA. 1+06, ELEV. 1856.53'

PIPE SPECIFICATIONS
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

A	11/04/15	PRV	ISSUED FOR USE/PERMIT	RC	
	DATE	BY	DESCRIPTION	CHK.	

PROJECT NO. **10395700**



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 8TH AVENUE SE (UNIMPROVED)

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: CHA	DATE: 02/26/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-085.500.900	A
SCALE: AS SHOWN	APP.:		

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-ND-EM-085.500.900.dwg PLOT DATE: 11/5/2015 BY: MADAMBA, JOEY

EMMONS COUNTY UTILITY PERMIT

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

91 STREET SE (S-4/9)(T-130)(R-76)

Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-085.300.900

91 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016 at John, North Dakota.

APPROVAL RECOMMENDED:

COUNTY ROAD SUPERINTENDENT

ACCEPTANCE OF TERMS AND CONDITIONS

[Signature]
APPLICANT SIGNATURE

EMMONS COUNTY
[Signature]

COUNTY COMMISSIONER

Vice President, Land and Right of Way

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-085.300.900
91 STREET SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 4 & 9, TOWNSHIP 130 NORTH, RANGE 76 WEST

€ 9TH AVENUE SE

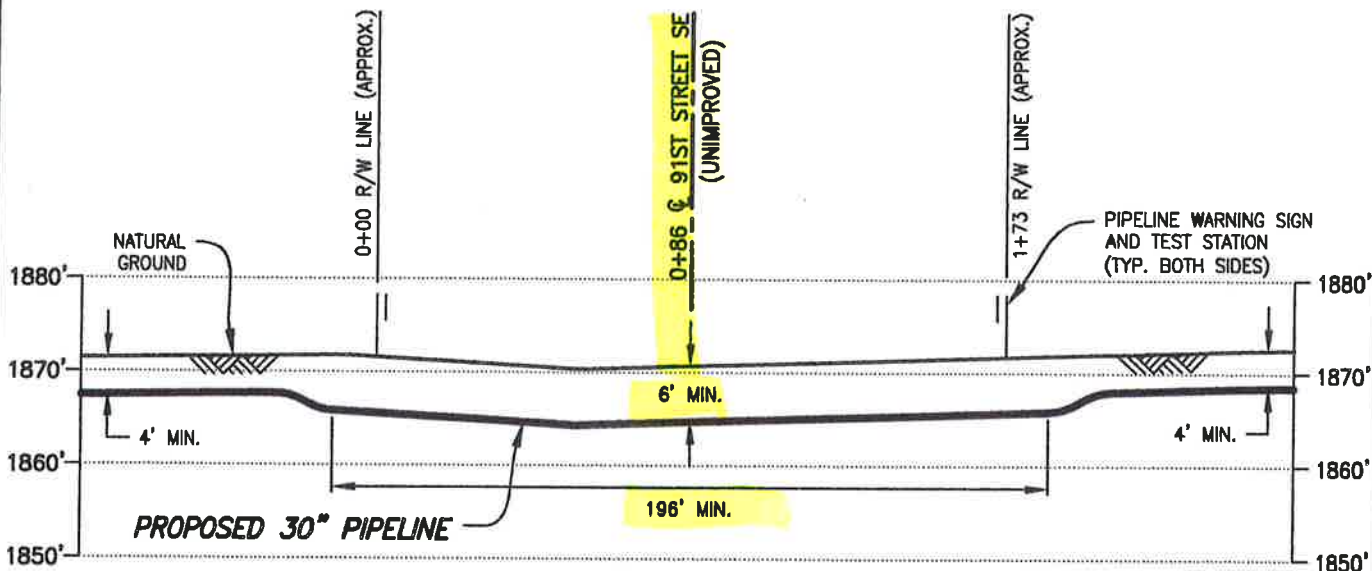
ND-EM-085.300
JOHN J. BAUMGARTNER

ND-EM-085.300
JOHN J. BAUMGARTNER

ND-EM-085.300.900

PLAN

SCALE: 1"=50'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=50' HORIZ.
 1"=20' VERT.

① X=1335968.20
 Y=16752205.99

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: € 91ST STREET SE
 AT STA. 0+86, ELEV. 1870.68'

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-1.dwg 4-085.300.900.dwg PLOT DATE: 3/30/2015 BY: MADAMBA, JOEY

A	03/30/15	JWH	ISSUED FOR USE/PERMIT	PA
REV.	DATE	BY	DESCRIPTION	CHK.

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
 91ST STREET SE (UNIMPROVED)**

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: OP	DATE: 02/10/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-085.300.900	A
SCALE: AS SHOWN	APP.:		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 Main Street, Houston, Texas 77002
(Name and Address of Applicant)

802-989-2489 (cell)
(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

9 Avenue SE (S-9/10)(T-130)(R-76)

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-090.910
9th Ave SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016 at

[Signature], North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY
[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503

Address that approved permit should be mailed to

ND-EM-090.910
9 Ave SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
9 Ave SE	W	9	130	76		
9 Ave SE	E	10	130	76		

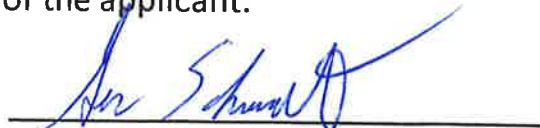
Temporary for pipeline construction

Approach Width (Min 24' – Max 40')	Inslopes required	Culvert Required (yes/no)	Culvert Size
	8 : 1	NO	

Authorization is hereby given to DAKOTA ACCESS, LLC of 1300 main St., Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

DAKOTA ACCESS, LLC
Applicant


County Road Supt. Approved

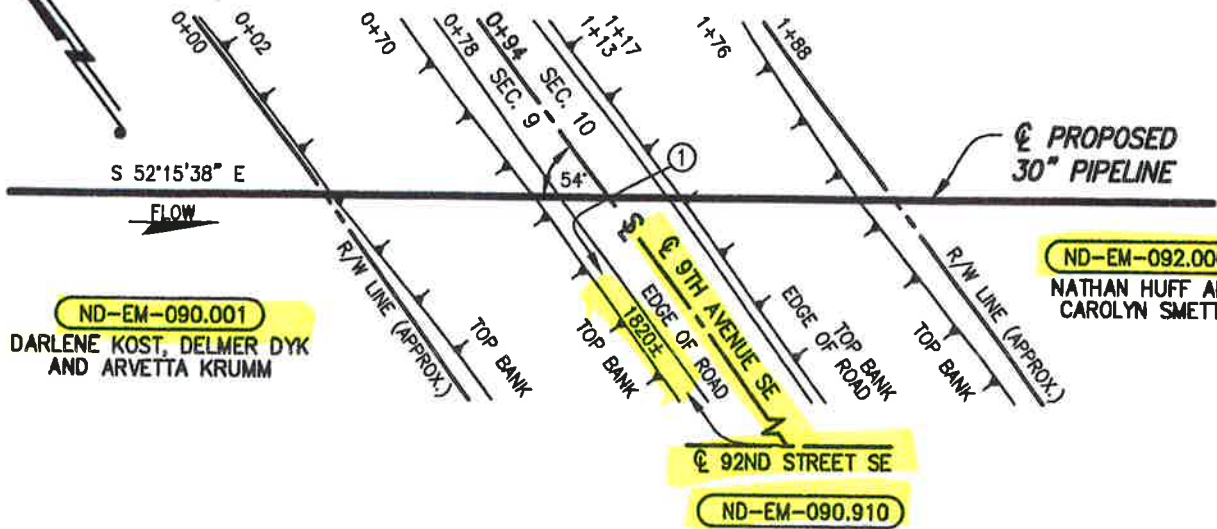
802-989-2489-Cell
Contact # (Phone-Cell)

2-10-16
Dated

ND-EM-090.910 9 Ave SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 9 & 10, TOWNSHIP 130 NORTH, RANGE 76 WEST



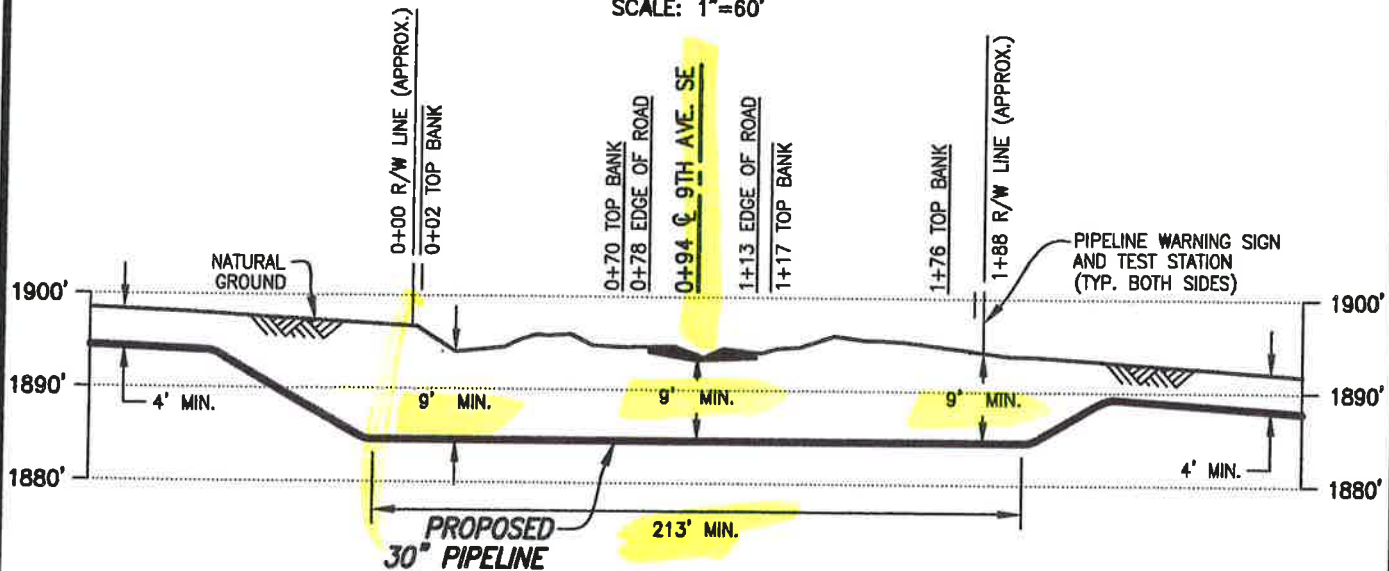
ND-EM-090.001
DARLENE KOST, DELMER DYK
AND ARVETTA KRUMM

ND-EM-092.000
NATHAN HUFF AND
CAROLYN SMETTE

ND-EM-090.910

PLAN

SCALE: 1"=60'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=60' HORIZ.
1"=20' VERT.

① X=1338202.69
Y=16748687.86

DATUM:
ALL ELEVATIONS DERIVED FROM GPS
OBSERVATIONS (GEOID 2012, NAVD 88)
BEARINGS BASED ON UTM ZONE 14
NORTH AMERICAN DATUM 1983.
U.S. SURVEY FEET
T.B.M.: 9TH AVENUE SE
AT STA. 0+94, ELEV. 1893.59'

REV.	DATE	BY	DESCRIPTION	CHK.
C	06/30/15	JMH	ISSUED FOR USE/PERMIT	EDF
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JHM	ISSUED FOR REVIEW	

PROJECT NO. **10395700**



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



PROPOSED 30" DAPL PIPELINE CROSSING 9TH AVENUE SE

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: PM	DATE: 12/02/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-090.910	C
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8-N...-090.910.dwg PLOT DATE: 7/2/2015 BY: GARCIA, REFUGIO

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

92 STREET SE (S-10/15)(T-130)(R-76)

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-092910

92 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 21 this day of March, 2016 at Siouxton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY



COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-092.910
92 STREET SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

“Applicant” requests permission to construct a Private/commercial/industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
92 ST. SE	N	10	130	76		
92 ST. SE	S	15	130	70		

Temporary for pipeline construction

Approach Width <small>(Min 24' – Max 40')</small>	Insplopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	yes	18" Both sides

Authorization is hereby given to Dakota Access, LLC of 1300 main Street, Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant

[Signature]
County Road Supt. Approved

802-989-2489-Cell
Contact # (Phone-Cell)

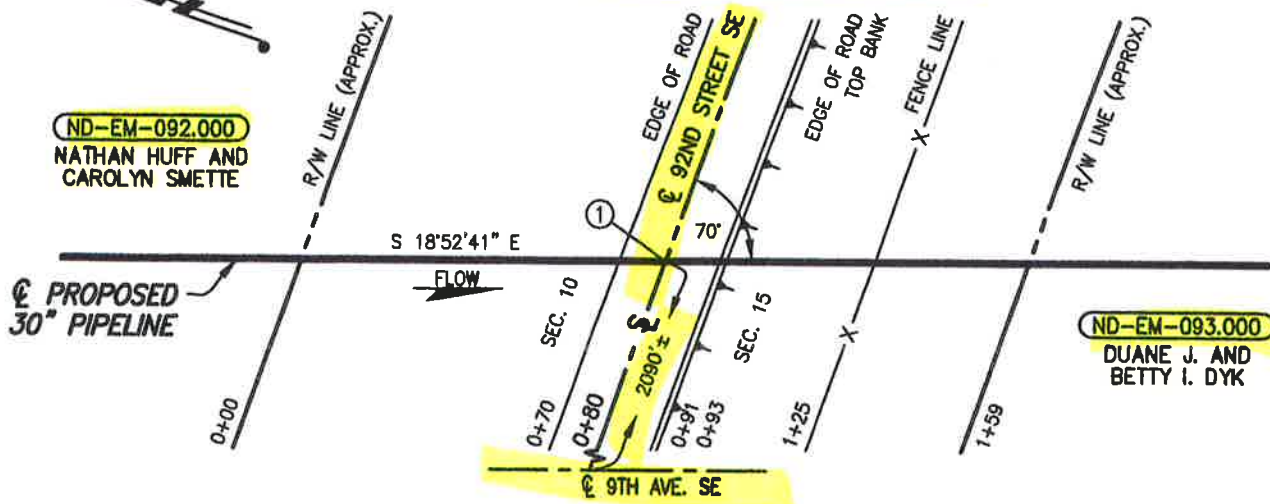
2-10-16
Dated

ND-EM -092.910

92 STREET SE

EMMONS COUNTY, NORTH DAKOTA

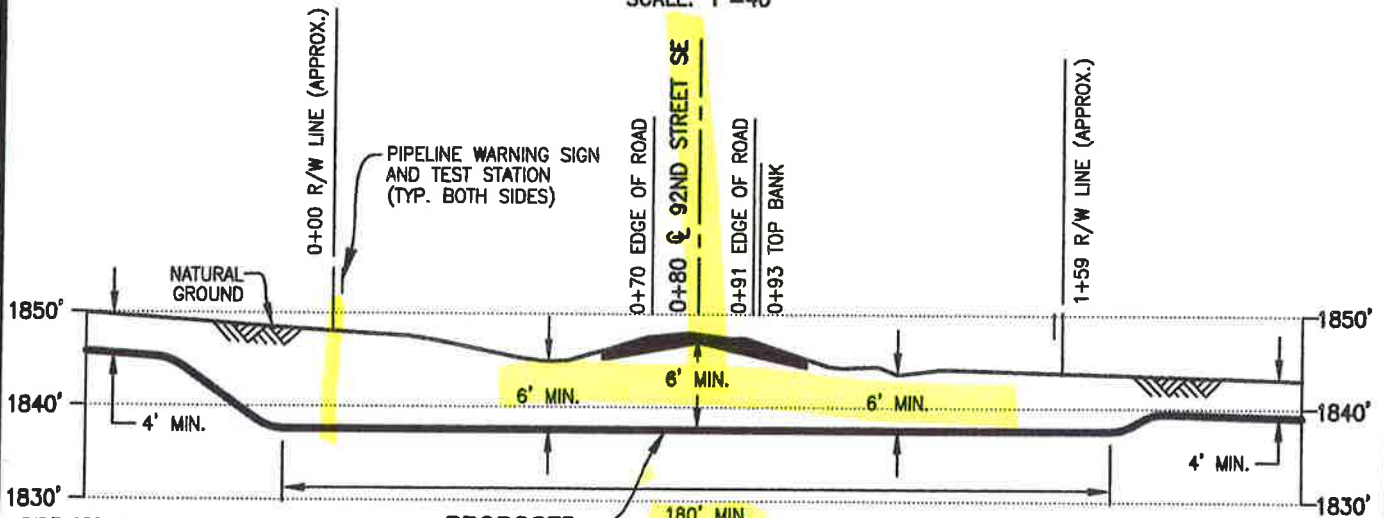
SECTIONS 10 & 15, TOWNSHIP 130 NORTH, RANGE 76 WEST



ND-EM-092.910

PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: \odot 92ND STREET SE AT STA. 0+80, ELEV. 1847.87'

REV.	DATE	BY	DESCRIPTION	CHK.
C	06/30/15	JMH	ISSUED FOR USE PERMIT	EDF
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 92ND STREET SE

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 10 /27/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/14	ND-EM-092.910	C
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93--PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8-1.dwg PLOT DATE: 7/2/2015 BY: HARBOLT, JASON

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

93 STREET SE (S-15/22) (T-130) (R-76)

Facilities to be installed pursuant to this permit are 30" CRUDE OIL PIPELINE

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-097.900
93 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Linton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

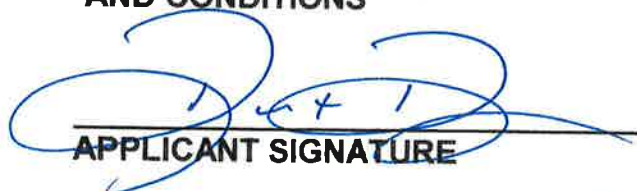


COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way


APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

*ND-EM-097.900
93 STREET SE*

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

"Applicant" requests permission to construct a Temporary for pipeline construction Private/commercial/industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
93 ST. SE	N	15	130	76		
93 ST. SE	S	22	130	76		

Approach Width <small>(Min 24' - Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	yes	18" both sides

Authorization is hereby given to Dakota Access, LLC of 1300 main st., Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant

[Signature]
County Road Supt. Approved

802-989-2489-Cell
Contact # (Phone-Cell)

2-10-16
Dated

ND-EM-097-900

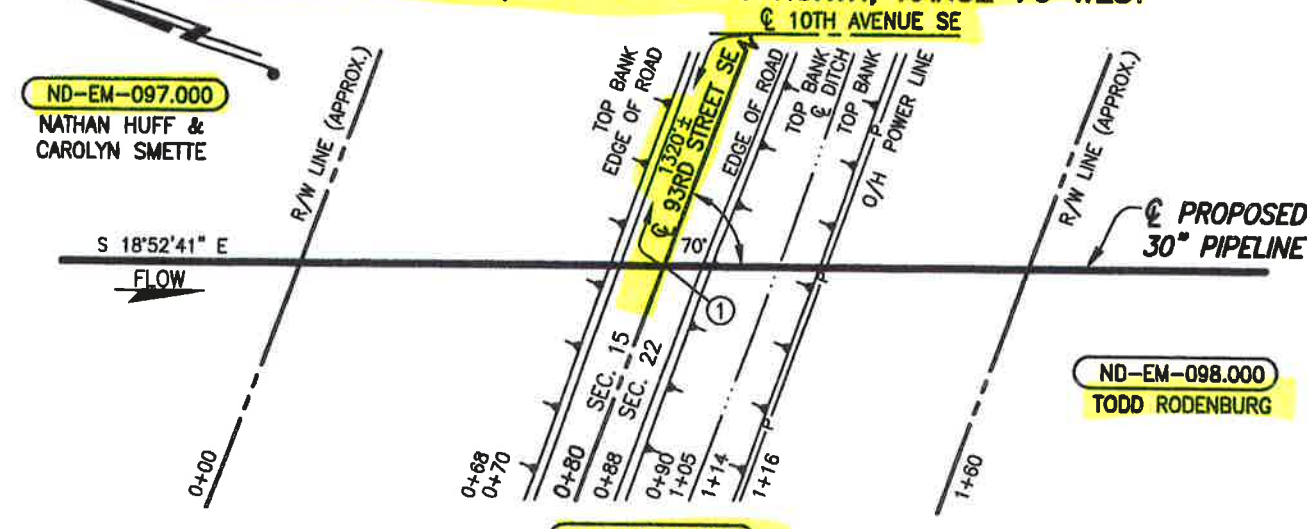
93 STREET SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 15 & 22, TOWNSHIP 130 NORTH, RANGE 76 WEST

ND-EM-097.000
NATHAN HUFF &
CAROLYN SMETTE

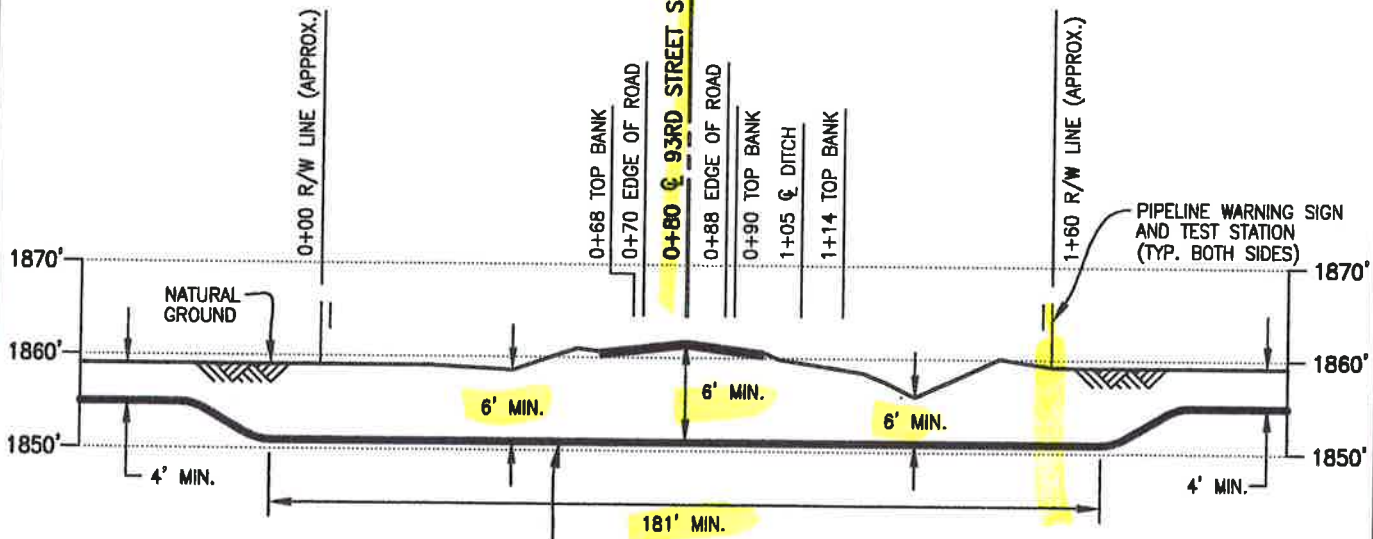
ND-EM-098.000
TODD RODENBURG



ND-EM-097.900

PLAN

SCALE: 1"=40'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 30" PIPELINE

PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=1342077.11
Y=16741535.79

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: @ 93RD STREET SE AT STA. 0+80, ELEV. 1861.80'

REV.	DATE	BY	DESCRIPTION	CHK.
C	07/01/15	JWH	ISSUED FOR USE/PERMIT	EDF
B	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	



PROPOSED 30" DAPL PIPELINE CROSSING 93RD STREET SE

PROJECT NO. 10395700

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: ET	DATE: 10/23/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-097.900	C
SCALE: AS SHOWN	APP.:		



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-1.dwg PLOT DATE: 7/1/2015 BY: HARBOLT, JASON

EMMONS COUNTY UTILITY PERMIT

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

94 STREET SE (S-20/27)(T-130)(R-76)

Facilities to be installed pursuant to this permit are 30" CRUDE OIL PIPELINE

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-100910

94 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

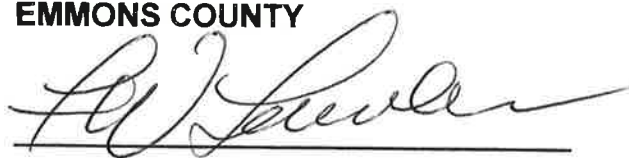
- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016 at Siemsen, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY



COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-100.910
94 STREET SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

“Applicant” requests permission to construct a ~~Private/commercial/industrial~~ road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
94 ST. SE	W	22	130	76		
94 ST. SE	S	27	130	76		

Temporary for pipeline construction

Approach Width <small>(Min 24' – Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	NO	

Authorization is hereby given to DAKOTA ACCESS, LLC of 1300 main st., Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant

[Signature]
County Road Supt. Approved

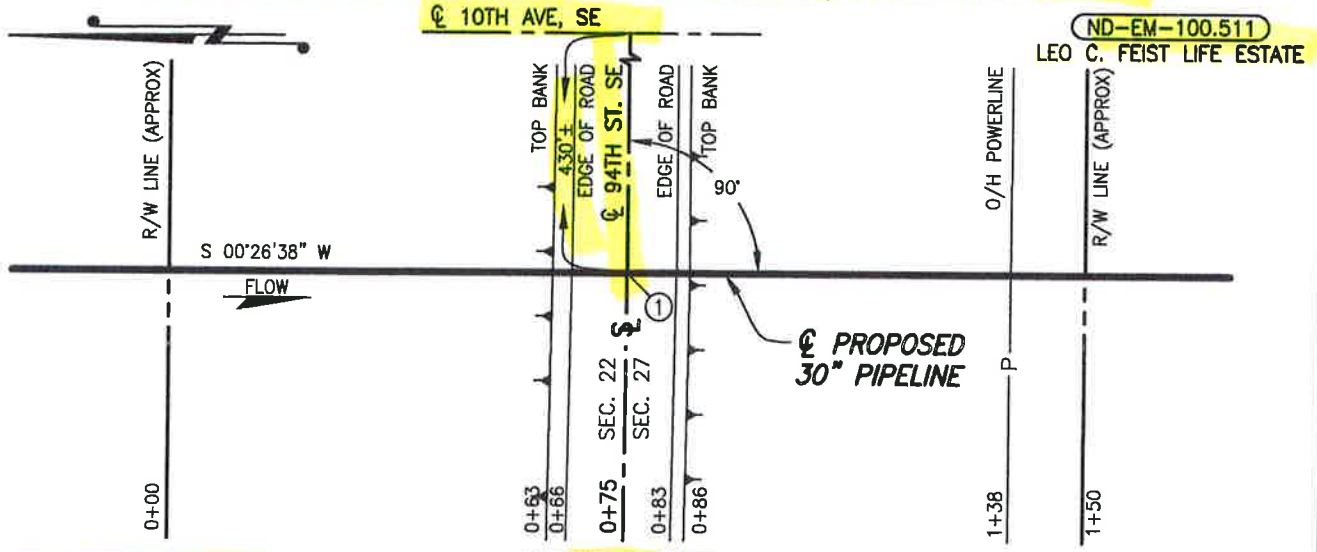
802-989-2489-Cell
Contact # (Phone-Cell)

2-10-16
Dated

ND-EM-100.910 94 STREET SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 22 & 27, TOWNSHIP 130 NORTH, RANGE 76 WEST



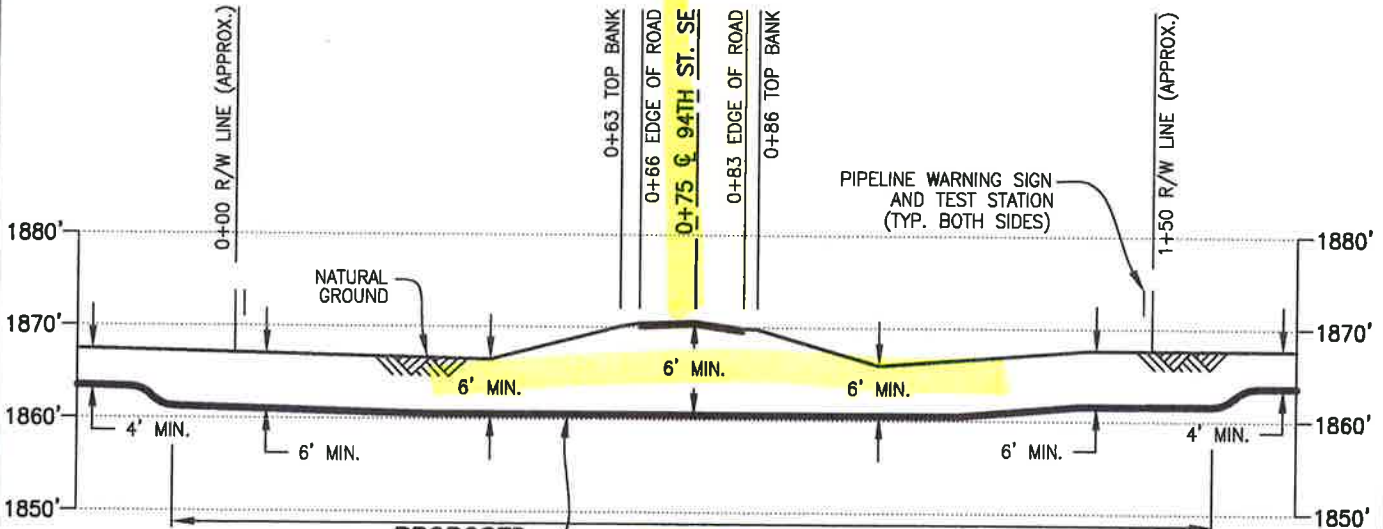
ND-EM-099.300

ND-EM-100.910

LEO C. FEIST LIFE ESTATE

PLAN

SCALE: 1"=30'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 30" PIPELINE

170' MIN.

PROFILE

SCALE: 1"=30' HORIZ.
 1"=20' VERT.

① X=1342887.60
 Y=16736216.86

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: C 94TH STREET SE AT STA. 0+75, ELEV. 1870.65'

REV.	DATE	BY	DESCRIPTION	CHK.
C	01/05/16	MM	ISSUED FOR USE/PERMIT	RC
B	09/02/15	PRV	ISSUED FOR USE/PERMIT	RC
A	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 94TH STREET SE

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: TD	DATE: 09/23/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-100.910	C
SCALE: AS SHOWN	APP.:		

FILE: \\mu ng.com\glbl\HOU\Pipeline\Projects\103957\Discipline\CAD\Drawings\93-PERMIT\NORTH DAKOTA\IS COUNTY\103957-PB-ND-EM-100.910.dwg PLOT DATE: 1/5/2016 BY: MUALLEM, MIKE

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002
(Name and Address of Applicant)

802-989-2489 (cell)
(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

10 Avenue SE (S-27/26)(T-130)(R-76)
Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline
_____ in accordance with plans,
specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

WD-EM-099.900
10 Avenue SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016 at Sinton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

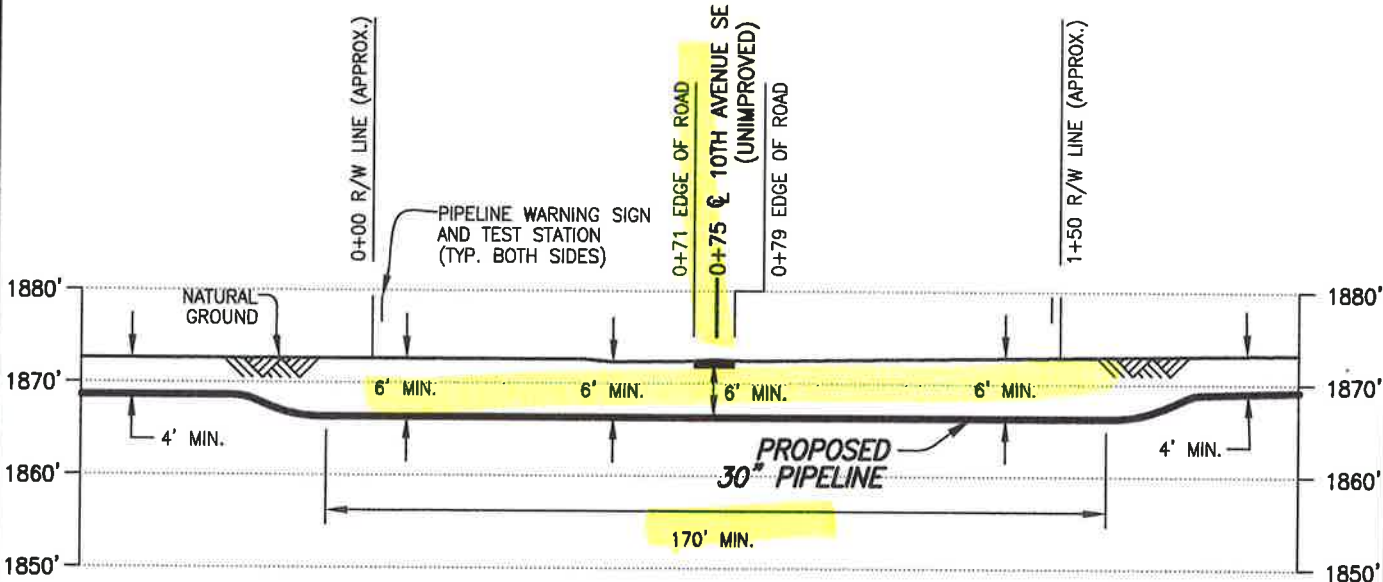
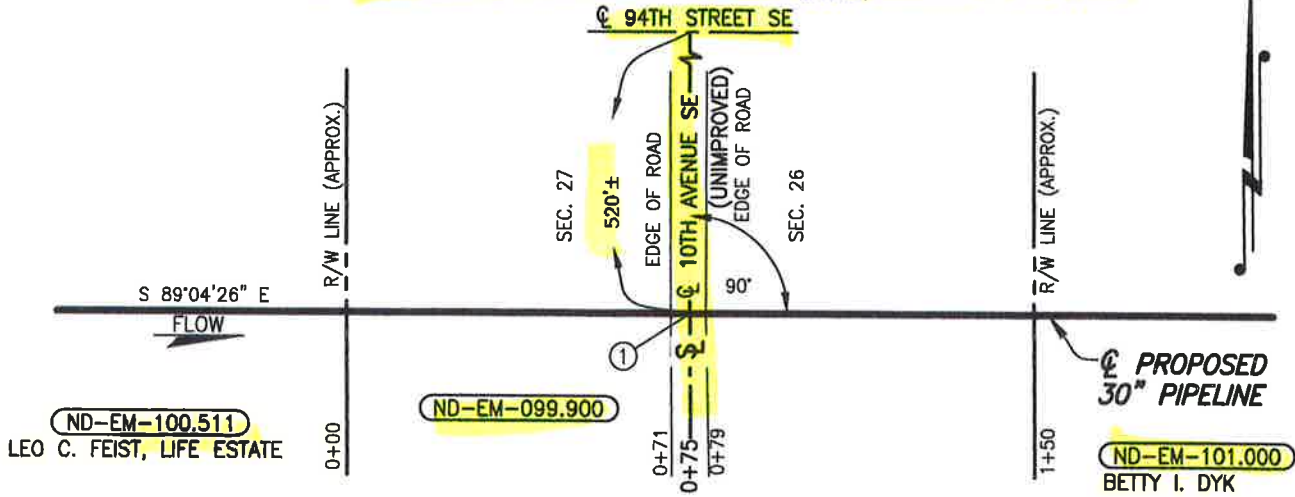
TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-099.900
10 Avenue SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 26 & 27, TOWNSHIP 130 NORTH, RANGE 76 WEST



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

① X=1343282.73
 Y=16735686.34
DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: ϕ 10TH AVENUE SE (UNIMPROVED)
 AT STA. 0+75, ELEV. 1872.36'

REV.	DATE	BY	DESCRIPTION	CHK.
B	01/07/16	JTM	ISSUED FOR USE/PERMIT	RC
A	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
 10TH AVENUE SE (UNIMPROVED)**

EMMONS COUNTY NORTH DAKOTA

DRAWN BY: ET	DATE: 01/09/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-099.900	B
SCALE: AS SHOWN	APP.:		

FILE: R:\P\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8-ND-19.900.dwg PLOT DATE: 1/7/2016 BY: VILLARREAL, PHIL

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

95 STREET SE (S-26/35)(T-130)(R-76)

Section Line

Facilities to be installed pursuant to this permit are 30" CRUDE OIL PIPELINE

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-104.900

95 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

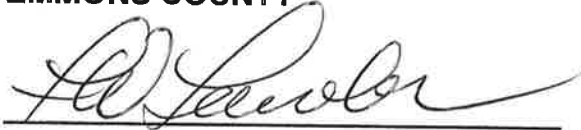
- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Justin, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY



COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way


APPLICANT SIGNATURE

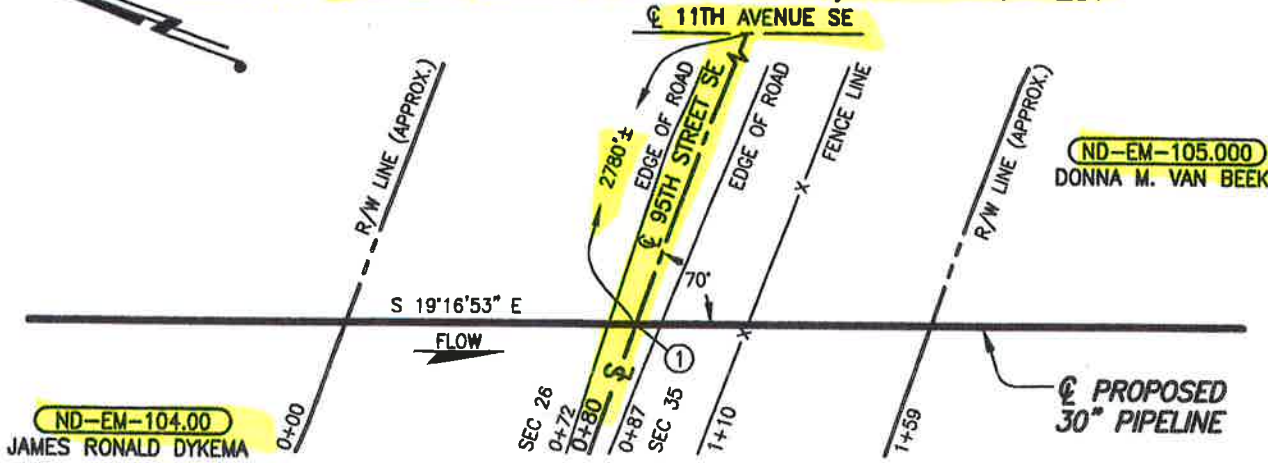
TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-104.900
95 STREET SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 26 & 35, TOWNSHIP 130 NORTH, RANGE 76 WEST



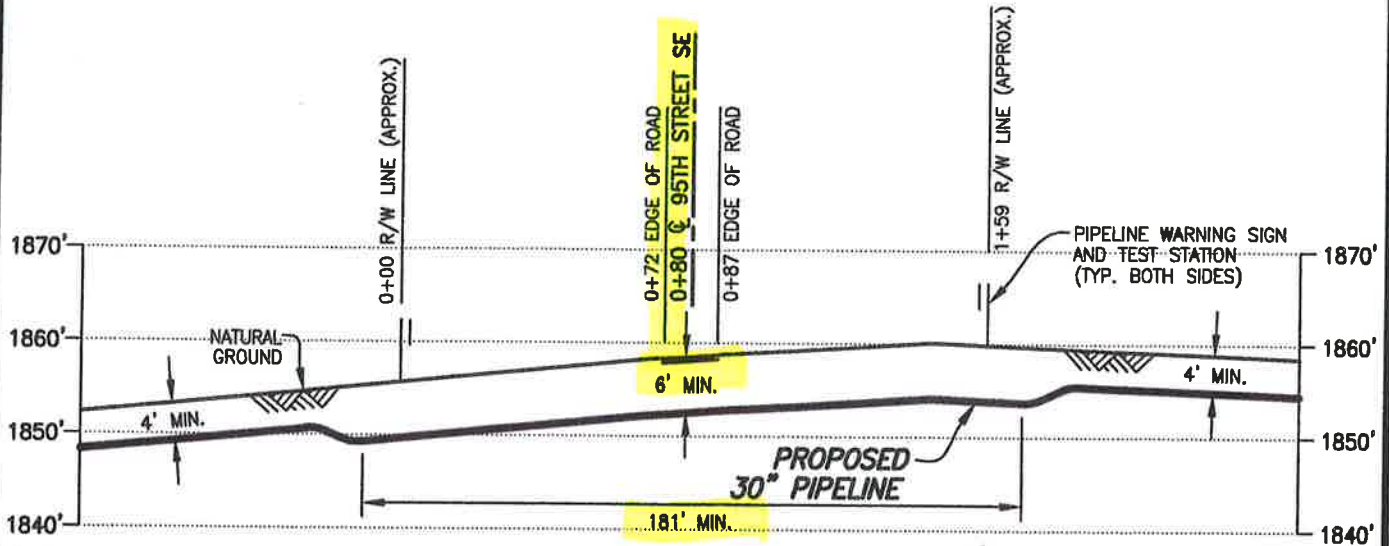
ND-EM-105.000
DONNA M. VAN BEEK

ND-EM-104.000
JAMES RONALD DYKEMA

ND-EM-104.900

PLAN

SCALE: 1"=50'



PROFILE

SCALE: 1"=50' HORIZ.

1"=20' VERT.

① X=1345722.33
Y=16730906.97

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: \odot 95TH STREET SE AT STA. 0+80, ELEV. 1858.52'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
A	03/30/15	JWH	ISSUED FOR USE/PERMIT	PA

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 95TH STREET SE

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 03/16/15	DWG. NO.	REV.
CHECKED BY: PA	DATE: 03/20/15	ND-EM-104.900	A
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-1.dwg PLOT DATE: 3/30/2015 BY: MADAMBA, JOEY

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

96 STREET SE (S-35/2)(T-130/129)(R-76)

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-107.910
96 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016 at Junta, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-107.910
96 STREET SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

"Applicant" requests permission to construct a ~~Private/commercial/industrial~~ road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
96 ST. SE	W	35	130	76		
96 ST. SE	S	2	129	76		

Temporary for pipeline construction

Approach Width <small>(Min 24' - Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	yes	18" Both sides

Authorization is hereby given to Dakota Access, LLC of 1300 main St., Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant

[Signature]
County Road Supt. Approved

802-989-2489- Cell
Contact # (Phone-Cell)

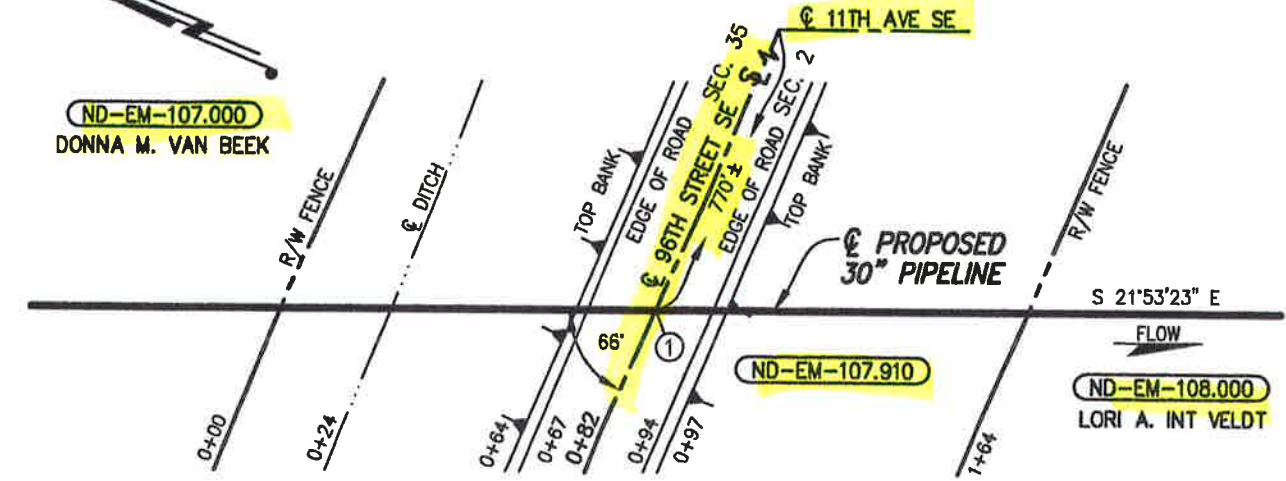
2-10-16

ND-EM-107.910

Dated
96 STREET SE

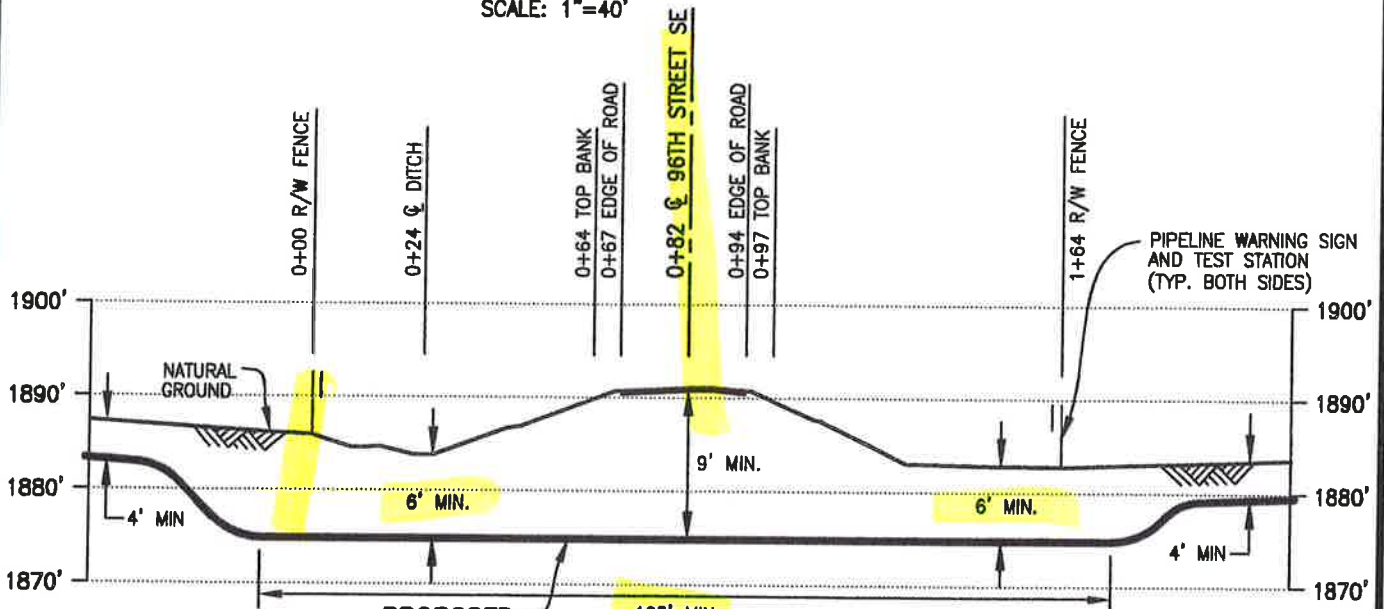
EMMONS COUNTY, NORTH DAKOTA

SECTIONS 2 & 35, TOWNSHIPS 129 & 130 NORTH, RANGE 76 WEST



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: \odot 96TH STREET SE AT STA. 0+82, ELEV. 1891.11'

FILE: R:\103957\DISCIPLINE\CAO\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-1.dwg PLOT DATE: 9/3/2015 BY: VILLARREAL, PHIL

REV.	DATE	BY	DESCRIPTION	CHK.
B	08/01/15	PRV	ISSUED FOR USE/PERMIT	RC
A	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. **10395700**



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 96TH STREET SE

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: ET	DATE: 12/29/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-107.910	B
SCALE: AS SHOWN	APP.:		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

11 AVENUE SE (S-211)(T-129)(R-76)

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-109-900

11 Avenue SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Sioux, North Dakota.

APPROVAL RECOMMENDED:

COUNTY ROAD SUPERINTENDENT

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

EMMONS COUNTY



COUNTY COMMISSIONER

Vice President, Land and Right of Way

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-109.900
11 Avenue SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

"Applicant" requests permission to construct a ~~Private/commercial/industrial~~ road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
11 AVE SE	W	2	129	76		
11 AVE SE	E	1	129	76		

Temporary for pipeline construction

Approach Width <small>(Min 24' - Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	NO	

Authorization is hereby given to DAKOTA ACCESS, LLC of 1300 main st., Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant

Ann Schwartz
County Road Supt. Approved

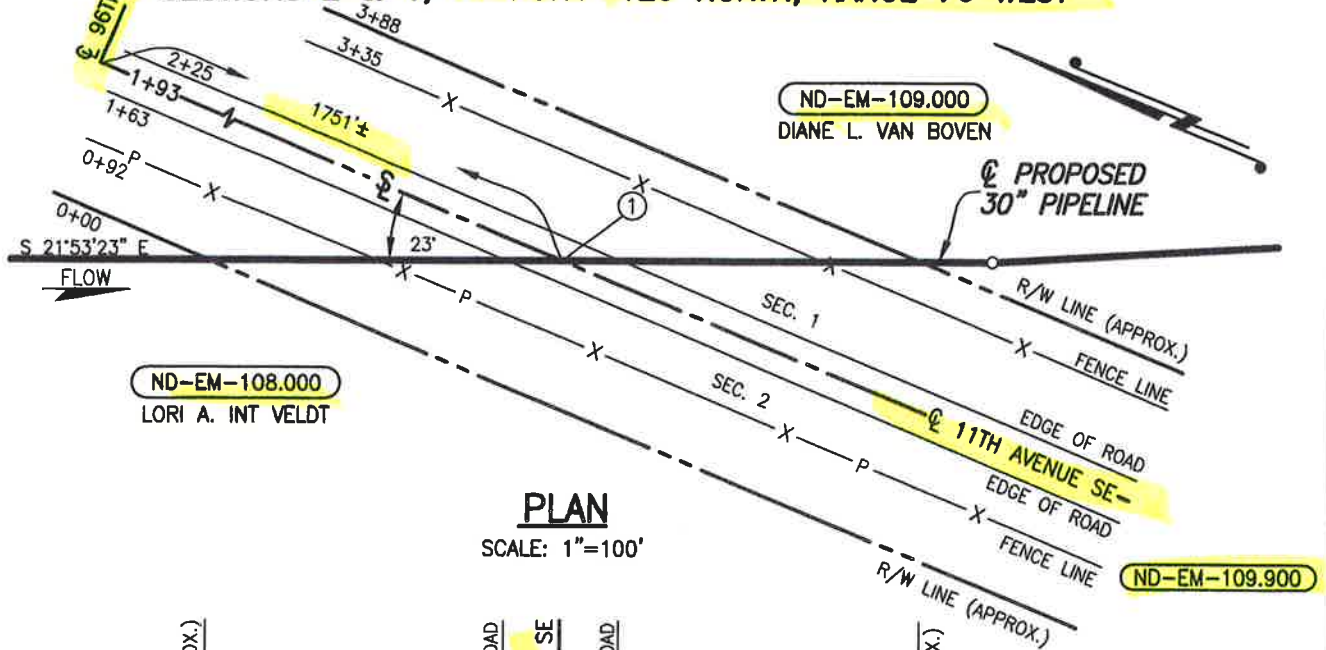
802-989-2489-Cell
Contact # (Phone-Cell)

2-10-16
Dated

ND-EM-109-900 11 Avenue SE

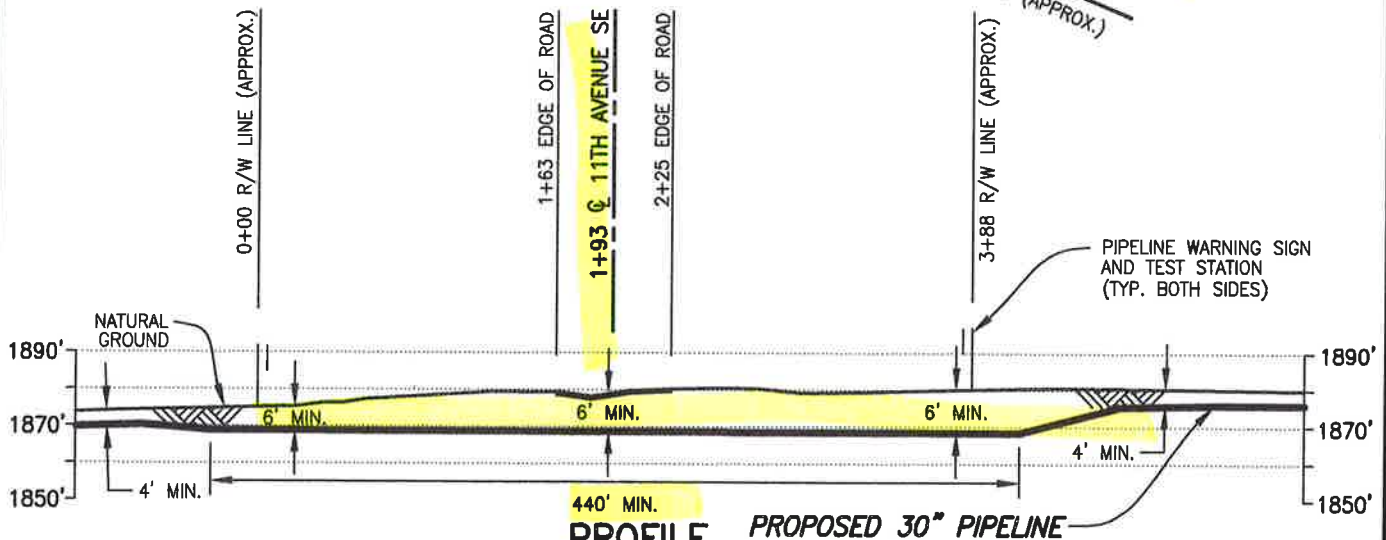
EMMONS COUNTY, NORTH DAKOTA

SECTIONS 2 & 1, TOWNSHIP 129 NORTH, RANGE 76 WEST



PLAN

SCALE: 1"=100'



PROFILE

SCALE: 1"=100' HORIZ.
1"=50' VERT.

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 11TH AVENUE SE AT STA. 1+93, ELEV. 1878.93'

\odot X=1348384.31
Y=16723832.19

REV.	DATE	BY	DESCRIPTION	CHK.
D	01/07/16	MM	ISSUED FOR USE/PERMIT	RC
C	09/01/15	RG	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 11TH AVENUE SE

PROJECT NO. 10395700

EMMONS COUNTY NORTH DAKOTA



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: TD	DATE: 09/24/2014	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-109.900	D
SCALE: AS SHOWN	APP.:		

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

97 STREET SE (S-1/12) (T-129) (R-76)

Section line

Facilities to be installed pursuant to this permit are 30" CRUDE OIL PIPELINE

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-111.900
97 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

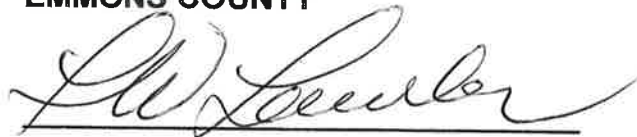
- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March 2016 at Dinton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY



COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way



APPLICANT SIGNATURE

TITLE

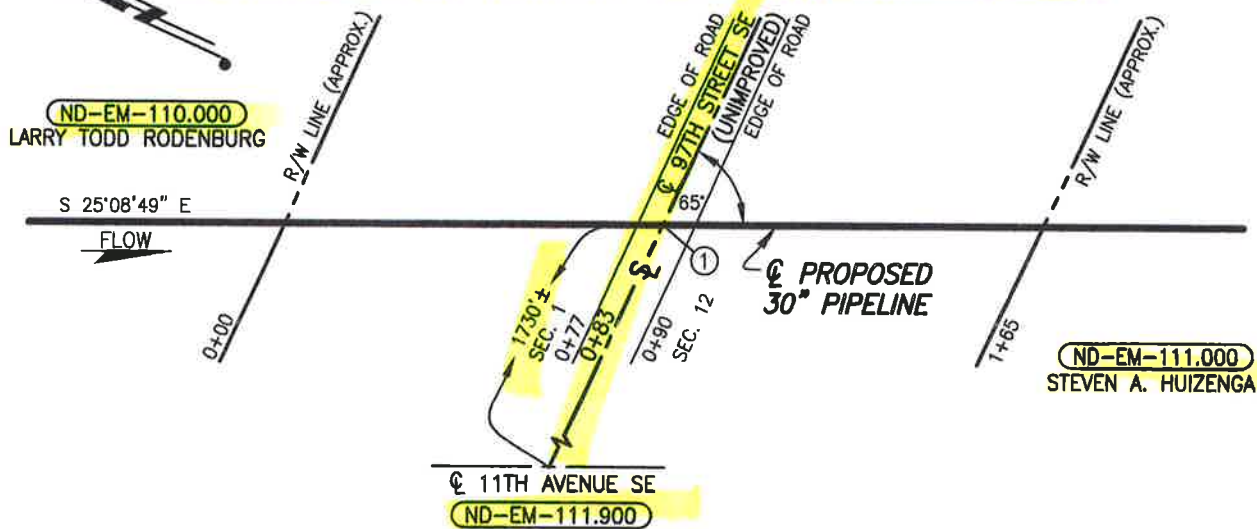
1100 Weiss Avenue, Bismarck, ND 58503

Address that approved permit should be mailed to

ND-EM-111.900
97 STREET SE

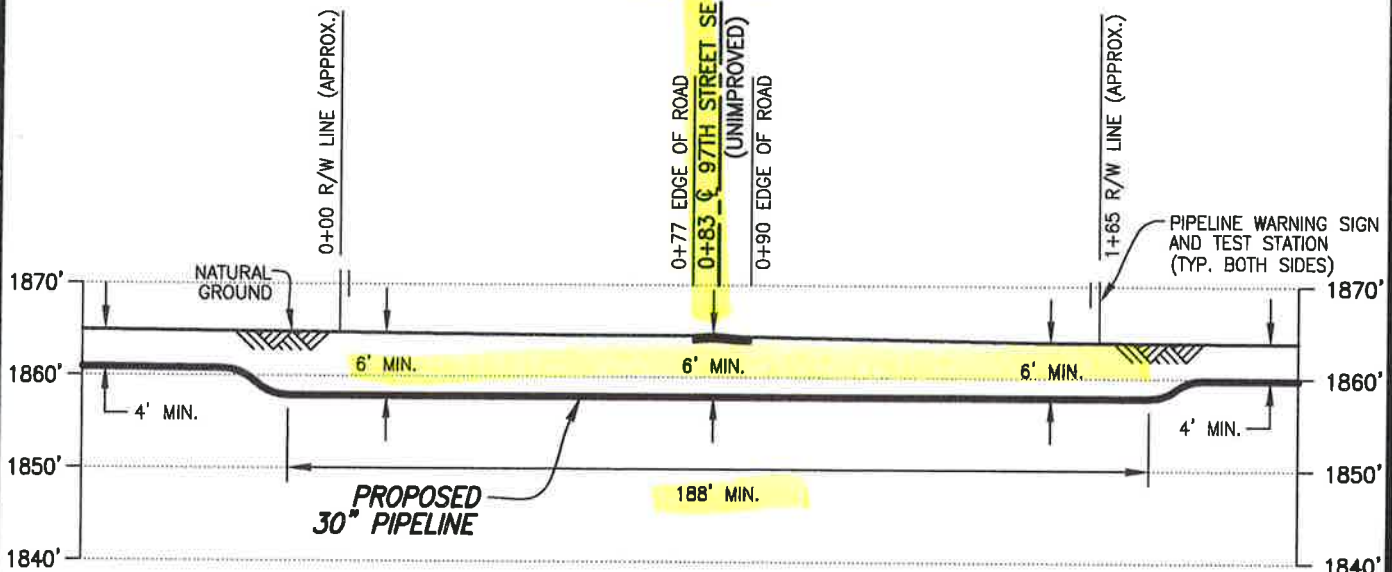
EMMONS COUNTY, NORTH DAKOTA

SECTIONS 1 & 12, TOWNSHIP 129 NORTH, RANGE 76 WEST



PLAN

SCALE: 1"=40'



PROFILE

SCALE: 1"=40' HORIZ.
1"=20' VERT.

① X=1350057.29
Y=16720237.05

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
SERVICE: CRUDE OIL
INSTALLATION: OPEN CUT
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: ϕ 97TH STREET SE (UNIMPROVED) AT STA. 0+83, ELEV. 1864.53'

REV.	DATE	BY	DESCRIPTION	CHK.
B	01/07/16	PRV	ISSUED FOR USE/PERMIT	RC
A	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 97TH STREET SE (UNIMPROVED)

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: MS	DATE: 12/29/14	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-111.900	B
SCALE: AS SHOWN	APP.:		



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

PROJECT NO. 10395700

FILE: R:\Pr\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8-ND-1900.dwg PLOT DATE: 1/7/2016 BY: VILLARREAL, PHIL

EMMONS COUNTY UTILITY PERMIT

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

98 STREET SE (S-12/13) (T-129) (R-74)

Facilities to be installed pursuant to this permit are 30" CRUDE OIL PIPELINE

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-114.900

98 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016 at Jamba, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

Minnie J. Hummel

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-114.900
98 STREET SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

“Applicant” requests permission to construct a Private/commercial/industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
98 ST. SE	N	12	129	76		
98 ST. SE	S	13	129	76		

Temporary for pipeline construction

Approach Width <small>(Min 24' – Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1		

Authorization is hereby given to DAKOTA ACCESS, LLC of 1300 main St., Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant

(Not approved)
Responsibility
County Road Supt. Approved

802-989-2489-Cell
Contact # (Phone-Cell)

Dated
ND-EM-114.900 98 STREET SE

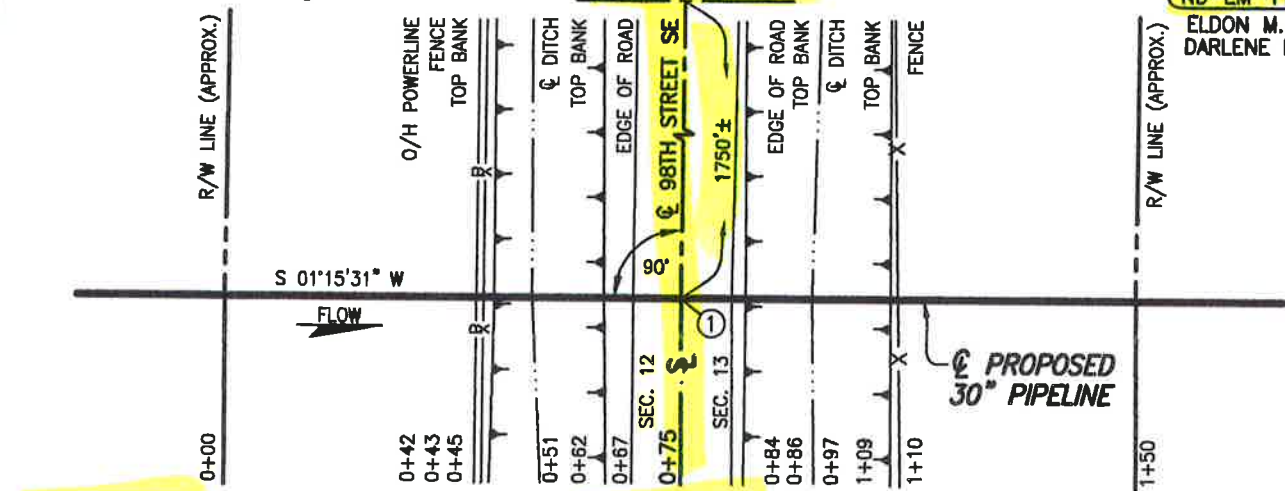
EMMONS COUNTY, NORTH DAKOTA

SECTIONS 12 & 13, TOWNSHIP 129 NORTH, RANGE 76 WEST

12TH AVENUE SE

ND-EM-115.000

ELDON M. AND DARLENE DROOG



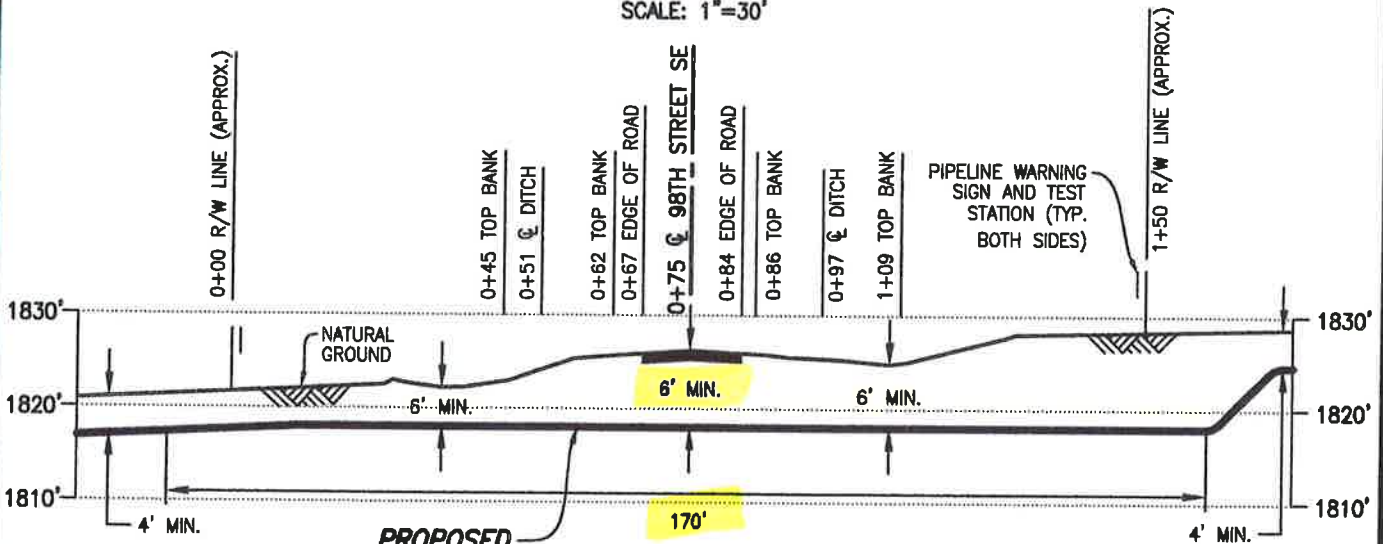
ND-EM-113.000

GERTRUDE NIEUWSMA

ND-EM-114.900

PLAN

SCALE: 1"=30'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=30' HORIZ.
 1"=20' VERT.

① X=1351808.73
 Y=16714913.20

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET

T.B.M.: 98TH STREET SE AT STA. 0+75, ELEV. 1826.30'

REV.	DATE	BY	DESCRIPTION	CHK.
B	09/01/15	RG	ISSUED FOR USE/PERMIT	RC
A	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC

PROJECT NO. 10395700



WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 98TH STREET SE

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 02/18/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-114.900	B
SCALE: AS SHOWN	APP.:		

FILE: R:\Projects\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-ND-EM-114.900.dwg PLOT DATE: 9/3/2015 BY: GARCIA, REFUGIO

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

99 STREET SE (S-13/24)(T-129)(R-76)

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

MD-EM-115.511-900
99 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016 at Siouxton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

AW Lawler

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503

Address that approved permit should be mailed to

ND-EM-115.511.900

99 STREET SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

"Applicant" requests permission to construct a Private/commercial/Industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
99 ST. SE	N	13	129	76		
99 ST. SE	S	24	129	76		

Temporary for pipeline construction

Approach Width <small>(Min 24' - Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8 : 1	yes	18" Both sides

Authorization is hereby given to Dakota Access, LLC of 1300 Main St., Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant

[Signature]
County Road Supt. Approved

802-989-2489-Cell
Contact # (Phone-Cell)

2-10-16
Dated

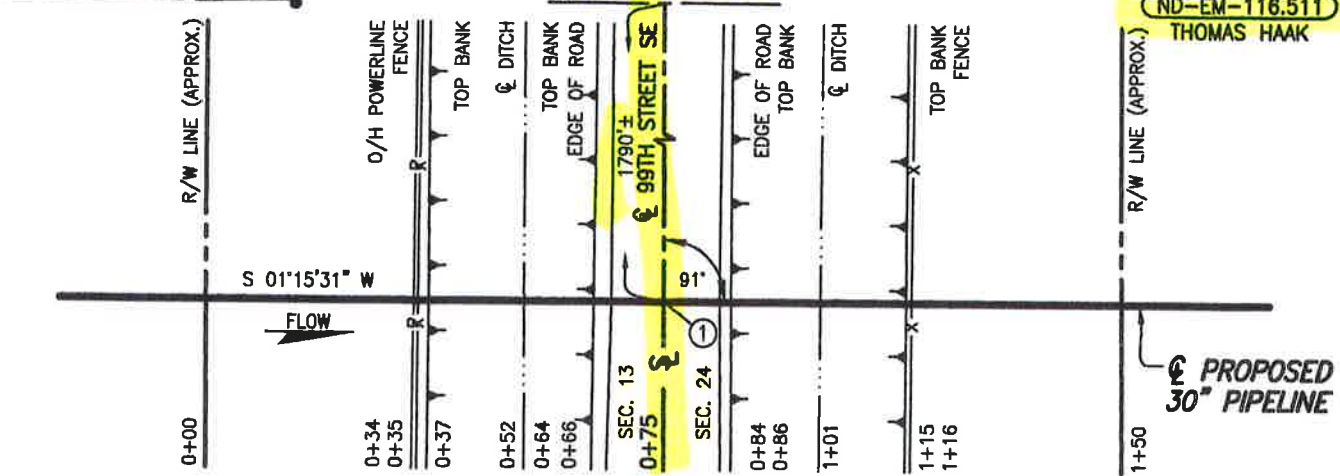
ND-EM-115.511.900 99 STREET SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 13 & 24, TOWNSHIP 129 NORTH, RANGE 76 WEST

12TH AVENUE SE

ND-EM-116.511
THOMAS HAAK

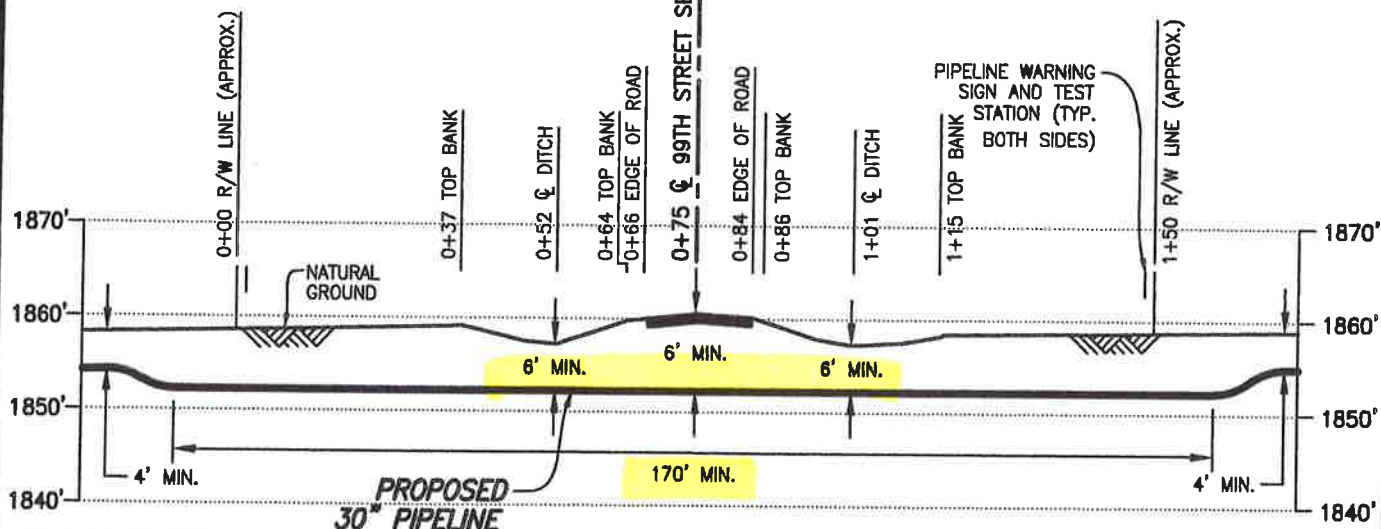


ND-EM-115.511
NIEUSWMA FARMS LLP

ND-EM-115.511.900

PLAN

SCALE: 1"=30'



PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

① X=1351692.57
Y=16709626.46

DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: 99TH STREET SE AT STA. 0+75, ELEV. 1860.60'

REV.	DATE	BY	DESCRIPTION	CHK.
B	09/01/15	RG	ISSUED FOR USE/PERMIT	RC
A	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 99TH STREET SE

PROJECT NO. 10395700

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: PRV	DATE: 02/05/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-115.511.900	B
SCALE: AS SHOWN	APP.:		



WOOD GROUP MUSTANG, INC.

NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-115.511.900.dwg PLOT DATE: 9/3/2015 BY: GARCA, REFUGIO

EMMONS COUNTY UTILITY
PERMIT

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

100 STREET SE (S-24/25) (T-129) (R-76)

~~SECTION 1111~~

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-117.511.900
100 STREET SE

Highway right of way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016 at Dunbar, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY



COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way


APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-117.511.900
100 STREET SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

“Applicant” requests permission to construct a Private/commercial/industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
<u>100 ST. SE</u>	<u>N</u>	<u>24</u>	<u>129</u>	<u>76</u>		
<u>100 ST. SE</u>	<u>S</u>	<u>25</u>	<u>129</u>	<u>76</u>		

Temporary for pipeline construction

Approach Width <small>(Min 24' – Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	<u>8 : 1</u>	<u>NO</u>	

Authorization is hereby given to Dakota Access, LLC of 1300 main St., Houston TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant

[Signature]
County Road Supt. Approved

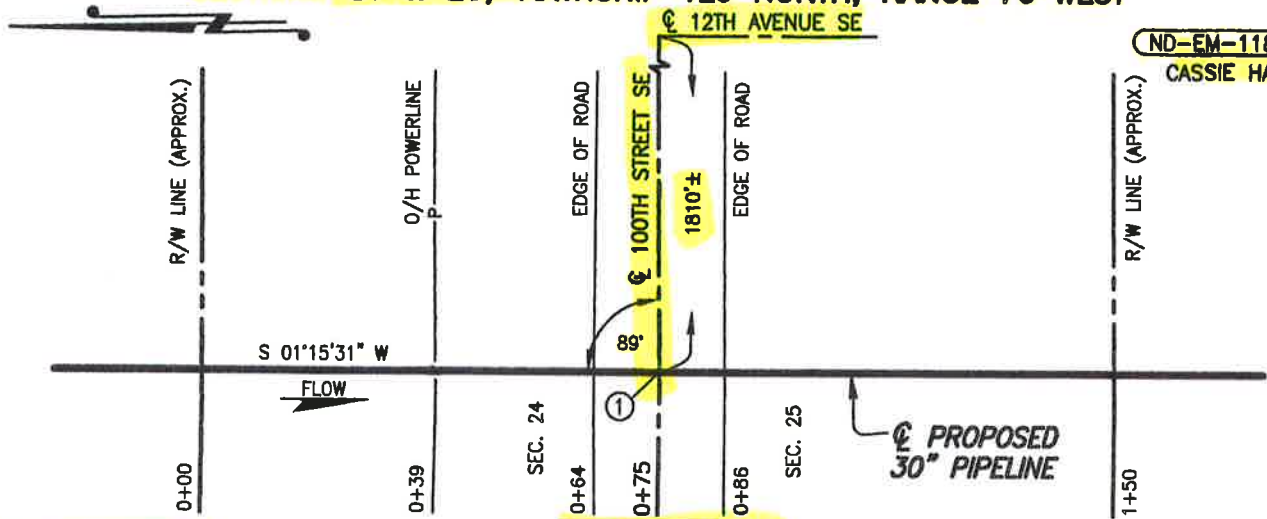
802-989-2489-Cell
Contact # (Phone-Cell)

2-10-16
Dated

ND-EM - 117.511.900 100 STREET SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 24 & 25, TOWNSHIP 129 NORTH, RANGE 76 WEST



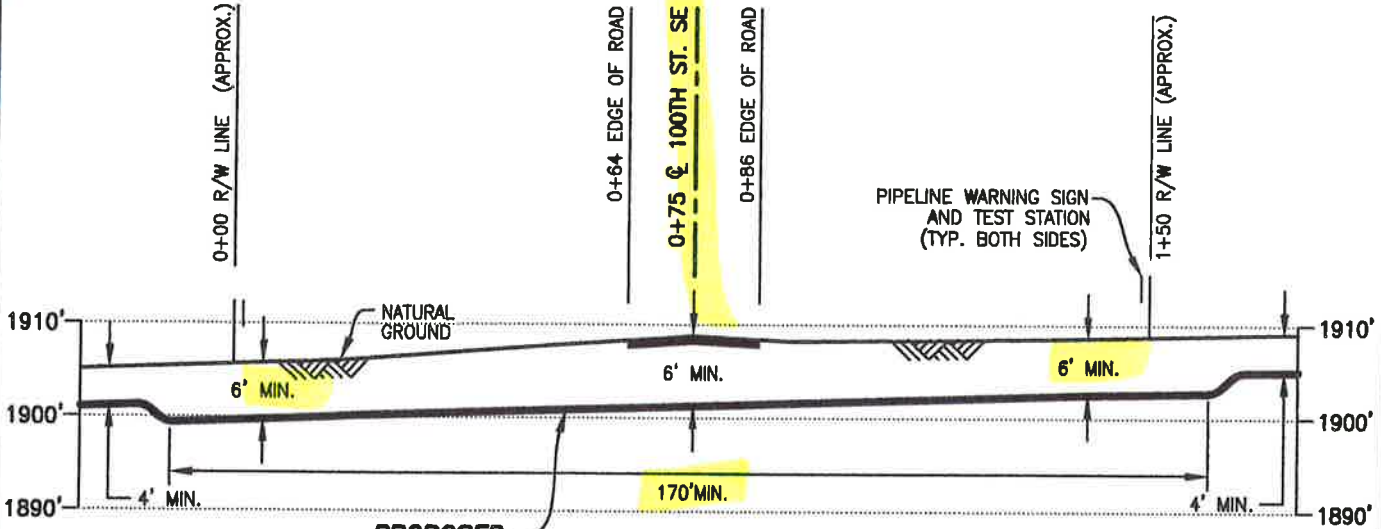
ND-EM-118.511
CASSIE HAAK

ND-EM-117.511
LISA OCHSNER

ND-EM-117.511.900

PLAN

SCALE: 1"=30'



PROPOSED 30" PIPELINE

PROFILE

SCALE: 1"=30' HORIZ.
1"=20' VERT.

① X=1351576.31
Y=16704335.03

DATUM:
ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: \odot 100TH STREET SE AT STA. 0+75, ELEV. 1908.81'

PIPE SPECIFICATIONS

PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN. TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

REV.	DATE	BY	DESCRIPTION	CHK.
B	09/01/15	RG	ISSUED FOR USE/PERMIT	RC
A	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 100TH STREET SE

PROJECT NO. 10395700

EMMONS COUNTY NORTH DAKOTA



WOOD GROUP MUSTANG, INC.
NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DRAWN BY: JTM	DATE: 02/05/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-117.511.900	B
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-1-117.511.900.dwg PLOT DATE: 9/18/2015 BY: GARCIA, REFUGIO

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 Main Street, Houston, Texas 77002
(Name and Address of Applicant)

802-989-2489 (cell)
(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

12 Avenue SE (S-25/30)(T-129)(R-76/75)
section line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline
in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-118.511.900
12 Avenue SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016 at Siembo, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY


COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way


APPLICANT SIGNATURE

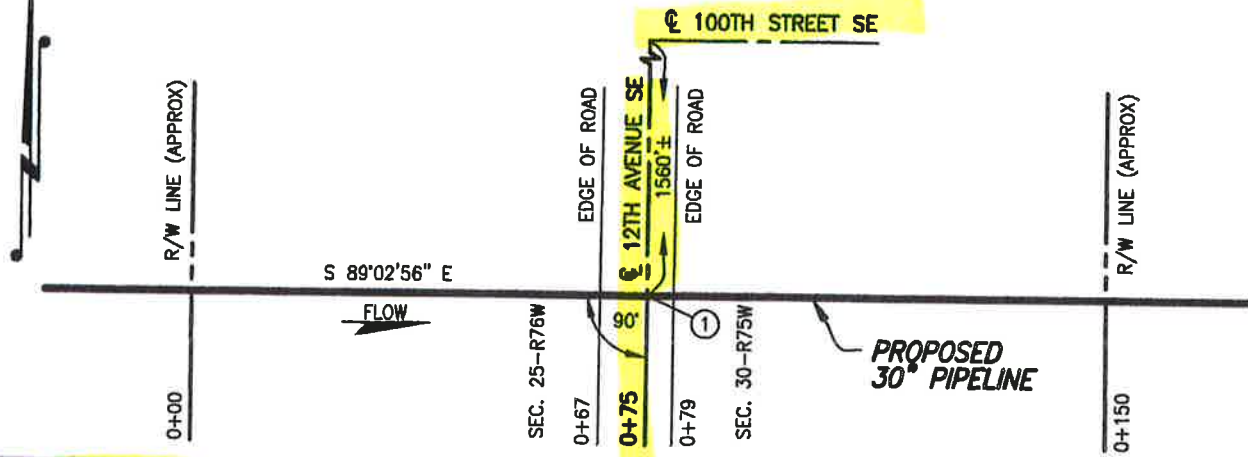
TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-118.511.900
12 Avenue SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 25 & 30, TOWNSHIP 129 NORTH, RANGES 75 & 76 WEST

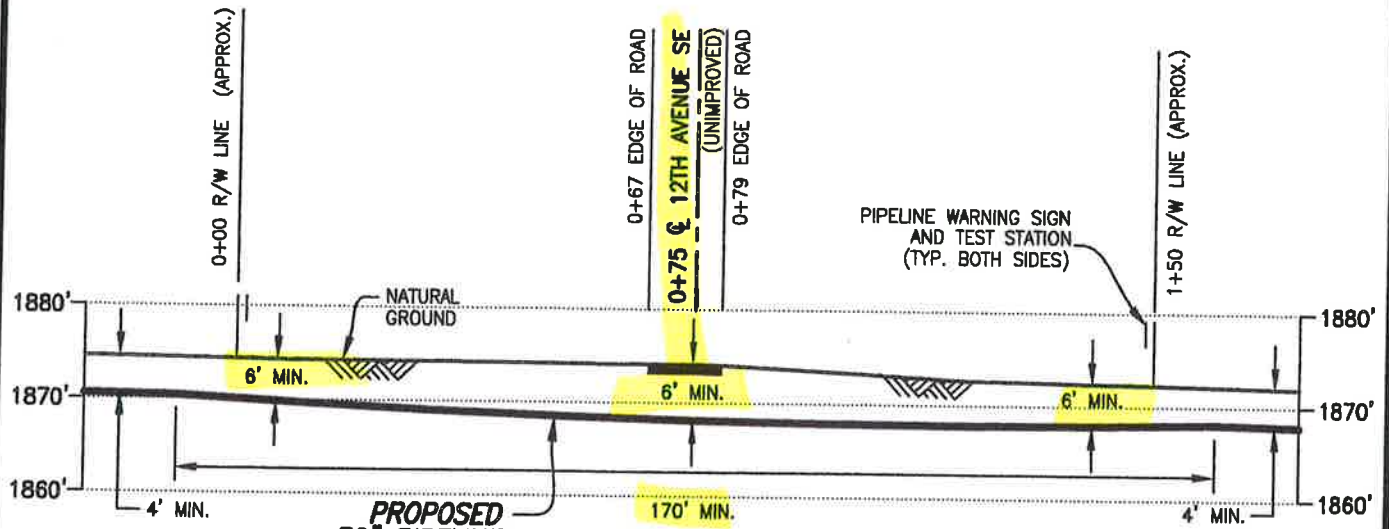


ND-EM-118.511
THOMAS AND CASSIE HAAK

ND-EM-118.511.900

ND-EM-119.511
ARLYN J. HASPER

PLAN
SCALE: 1"=30'



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: OPEN CUT
 MIN. TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROFILE
 SCALE: 1"=30' HORIZ.
 1"=20' VERT.

① X=1353351.99
Y=16702734.66

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS
 OBSERVATIONS (GEOID 2012, NAVD 88)
 BEARINGS BASED ON UTM ZONE 14
 NORTH AMERICAN DATUM 1983.
 U.S. SURVEY FEET
 T.B.M.: ☉ 12TH AVENUE SE (UNIMPROVED)
 AT STA. 0+75, ELEV. 1874.18'

REV.	DATE	BY	DESCRIPTION	CHK.
B	09/01/15	RG	ISSUED FOR USE/PERMIT	RC
A	03/02/15	JTM	ISSUED FOR USE/PERMIT	RC



DAKOTA ACCESS, LLC

**PROPOSED 30" DAPL PIPELINE CROSSING
12TH AVENUE SE (UNIMPROVED)**

PROJECT NO. **10395700**
WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

EMMONS COUNTY		NORTH DAKOTA	
DRAWN BY: OP	DATE: 02/09/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-118.511.900	B
SCALE: AS SHOWN	APP.:		

FILE: R:\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-PB-1.dwg
 118.511.900.dwg PLOT DATE: 9/3/2015 BY: GARCIA, REFUGIO

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 Main Street, Houston, Texas 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

13 Avenue SE (S-30/29)(T-129)(R-75)

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-125.906

13 Avenue SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Sinton, North Dakota.

APPROVAL RECOMMENDED:

EMMONS COUNTY

[Signature]

COUNTY ROAD SUPERINTENDENT

COUNTY COMMISSIONER

ACCEPTANCE OF TERMS AND CONDITIONS

Vice President, Land and Right of Way

[Signature]
APPLICANT SIGNATURE

TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

ND-EM-125-900
13 Avenue SE

EMMONS COUNTY PERMIT FOR ROAD APPROACH

EMMONS COUNTY ROAD
DEPARTMENT
7975 6TH AVE SE
LINTON, ND 58552
701-254-5491

Permit Fee: \$100.00

Name: DAKOTA ACCESS, LLC
Address: 1300 main street, Houston, Texas 77002

Temporary for pipeline construction

"Applicant" requests permission to construct a Private/commercial/industrial road approach on a Emmons County Road right-of-way.

Street Address	Direction from road	Section	Township	Range	Longitude <small>Office use only</small>	Latitude <small>Office use only</small>
13Ave SE	W	30	129	75		
13Ave SE	E	29	129	75		

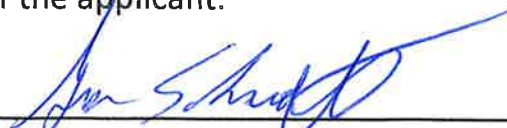
Temporary for pipeline construction

Approach Width <small>(Min 24' - Max 40')</small>	Inslopes required	Culvert Required <small>(yes/no)</small>	Culvert Size
	8:1	yes	18" Both sides

Authorization is hereby given to Dakota Access, LLC of 1300 main st., Houston, TX 77002 to construct an approach to minimum standards as determined and shown on the attached sheet. If possible, include a drawing of the location of approach.

Authorization by the undersigned County Official does not relieve the applicant of any legal responsibilities. If approach construction does not meet minimum standards, corrections will be made at the expense of the applicant within 30 days or approach will be removed by the order of the Emmons County Commissioners. All expenses incurred will be the responsibility of the applicant.

Dakota Access, LLC
Applicant


County Road Supt. Approved

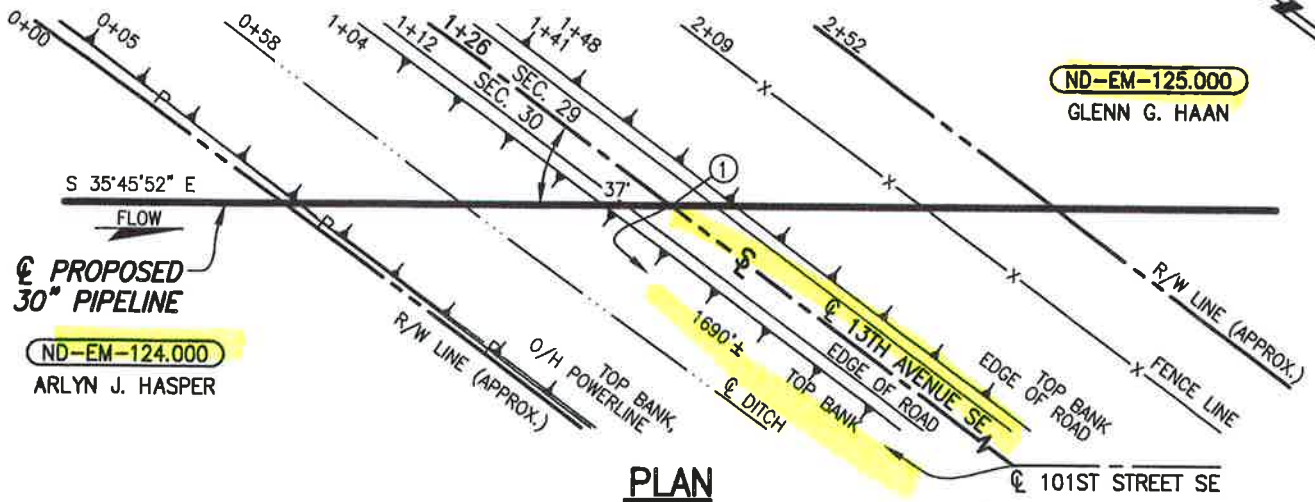
802-989-2489-Cell
Contact # (Phone-Cell)

2-10-16
Dated

ND-EM1-125-900 13Avenue SE

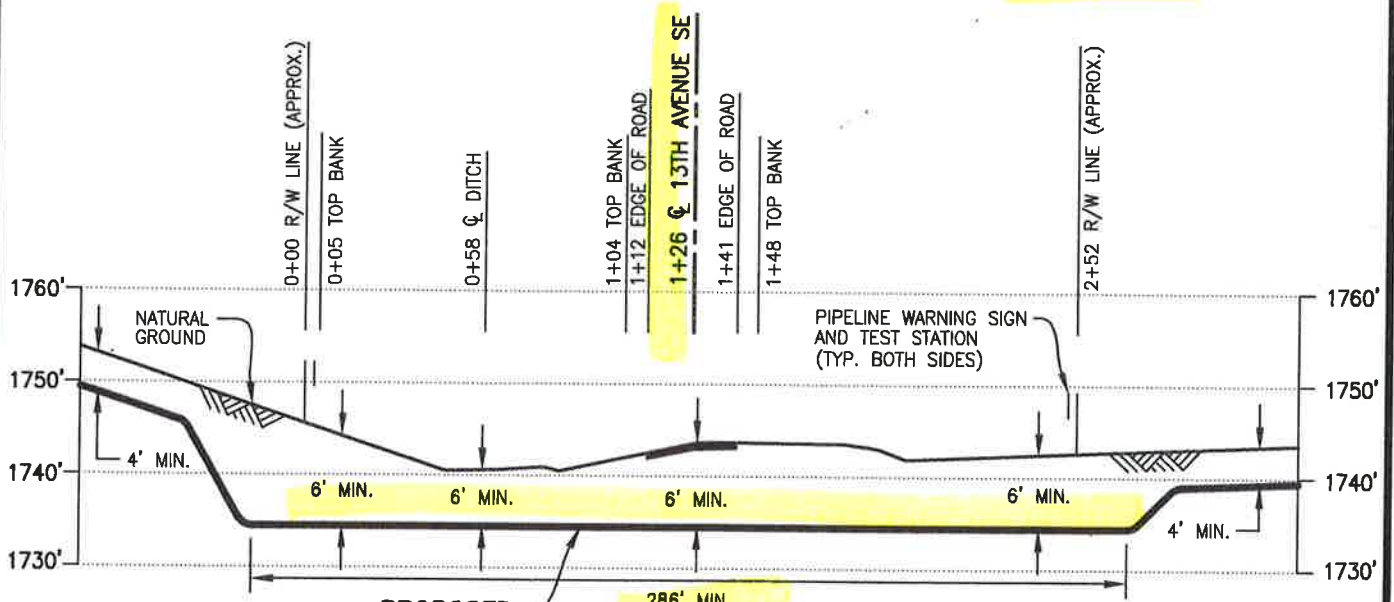
EMMONS COUNTY, NORTH DAKOTA

SECTIONS 30 & 29, TOWNSHIP 129 NORTH, RANGE 75 WEST



PLAN

SCALE: 1"=60'



PROFILE

SCALE: 1"=60' HORIZ.
1"=20' VERT.

PIPE SPECIFICATIONS

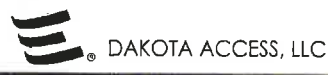
PIPE 30" O.D. x 0.625" W.T.
API 5LX-70 HSAW
COATING: 14-16 MILS FBE
W/40 MILS ARO
SERVICE: CRUDE OIL
INSTALLATION: BORE
MIN TEST PRESSURE: 1,800 PSIG
MOP: 1,440 PSIG
MIN. YIELD STRENGTH: 70,000 PSI

① X=1358591.38
Y=16700617.55


DATUM:

ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
T.B.M.: 13TH AVENUE SE AT STA. 1+26 ELEV. 1743.51'

REV.	DATE	BY	DESCRIPTION	CHK.
D	01/07/16	MM	ISSUED FOR USE/PERMIT	RC
C	11/04/15	RG	ISSUED FOR USE/PERMIT	RC
B	03/02/15	OP	ISSUED FOR USE/PERMIT	RC
A	12/22/14	JMH	ISSUED FOR REVIEW	RC



PROPOSED 30" DAPL PIPELINE CROSSING 13TH AVENUE SE

PROJECT NO. 10395700		EMMONS COUNTY NORTH DAKOTA	
 WOOD GROUP MUSTANG, INC. NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C	DRAWN BY: TD	DATE: 09/24/14	DWG. NO. ND-EM-125.900
	CHECKED BY: RC	DATE: 03/02/15	REV. D
	SCALE: AS SHOWN	APP.: RC	

FILE: R:\P\103957\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8-ND-5.900.dwg PLOT DATE: 1/7/2016 BY: VILLARREAL, PHIL

**EMMONS COUNTY UTILITY
PERMIT**

Permit Fee: \$250.00

DAKOTA ACCESS, LLC 1300 MAIN STREET, HOUSTON, TEXAS 77002

(Name and Address of Applicant)

802-989-2489 (cell)

(Contact Number)

Hereinafter called the Applicant, is hereby granted permission to install and maintain the facilities as described herein on county right-of-way, of County Road

101 STREET SE (S-29/32)(T-129)(R-75)

Section line

Facilities to be installed pursuant to this permit are 30" CRUDE oil pipeline

_____ in accordance with plans, specifications and maps attached hereto,

For purposes of this permit "highway right-of-way" shall mean the highway right-of-way as it exists on the date of execution of this permit and shall also include that area within seventy-five feet of the center of the highway right-of-way over which the Board of Emmons County Commission has control pursuant to North Dakota Century Code Section 24-01-42.

INSTALLATION AND MAINTENANCE: Installation and maintenance of said facilities on highway right-of-way shall conform to the following provisions:

- (1) Upon construction, maintenance, relocation or removal of said facilities, any right-of-way scars shall be removed and the disturbed areas restored to original condition, including the reseeding thereof where necessary. Trenches dug within the highway right-of-way exclusive of the roadway and inslopes shall be backfilled and compacted to a density equal to that of the adjacent undisturbed soil. Trenches dug in the roadway and inslopes when necessary shall be backfilled using only approved materials and compacted to 90% of the maximum dry density as determined by AASHTO T-180. The moisture content of the soil at the time of compaction shall be not less than 1% below the optimum moisture content nor more than 2% above the optimum moisture content. All costs incurred with regard to inspection and compaction testing conducted by Emmons County or its designees shall be borne by applicant.

TERMS AND CONDITIONS: Installation and maintenance of said facilities on the highway right-of-way shall be subject to the following terms and conditions:

- (A) Installation, maintenance, relocation, and removal of said facilities on the

ND-EM-125.910
101 STREET SE

highway right-of-way shall be done in a manner satisfactory to and subject to supervision by the County Road Superintendent for the Emmons County Highway Department.

- (B) Emmons County shall not be liable for damage to said facilities resulting from construction, reconstruction, expansion, alteration, maintenance, replacement and repair of the highway. Applicant shall hold the County harmless for injury to persons or damage to property resulting from the location of said facilities on highway right-of-way.
- (C) Applicant shall repair or replace highway structures and appurtenances, and any existing facilities located on, over or under the highway right-of-way, which may be damaged as a result of the installation and maintenance of said facilities on the highway right-of-way.
- (D) Applicant shall promptly remove said facilities from the highway right-of-way or shall relocate or adjust said facilities at its sole cost and expense when requested to do so by the County.
- (E) No construction shall be permitted across any county roadway. All facilities must be bored beneath all paved and gravel surfaces at a minimum depth of 6 feet below the ditch bottom.

WHEREAS, the terms of Section 24-01-42 of the North Dakota Century Code, provide that the Board of County Commissioners may grant such a permit.

Approved by the County Commissioner of District 1 this day of March, 2016, at Lincoln, North Dakota.

APPROVAL RECOMMENDED:

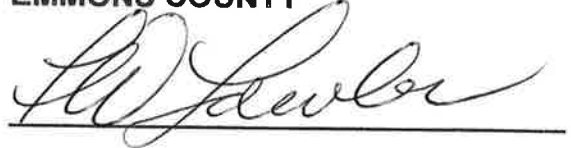
COUNTY ROAD SUPERINTENDENT

ACCEPTANCE OF TERMS AND CONDITIONS



APPLICANT SIGNATURE

EMMONS COUNTY



COUNTY COMMISSIONER

Vice President, Land and Right of Way

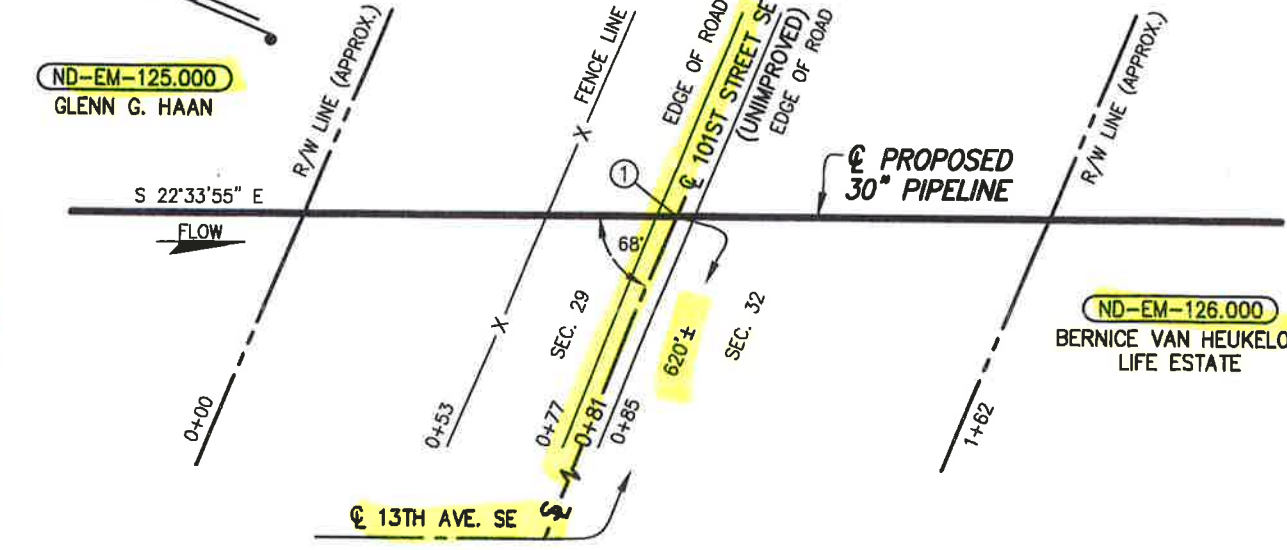
TITLE

1100 Weiss Avenue, Bismarck, ND 58503
Address that approved permit should be mailed to

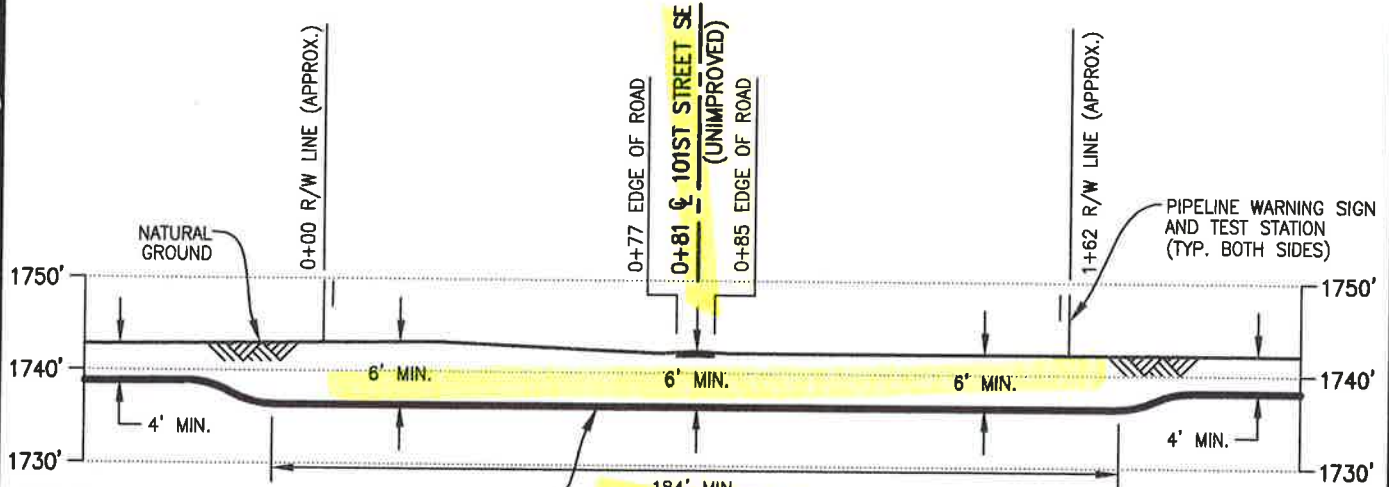
ND-EM-125.910
101 STREET SE

EMMONS COUNTY, NORTH DAKOTA

SECTIONS 29 & 32, TOWNSHIP 129 NORTH, RANGE 75 WEST



PLAN
SCALE: 1"=40'



PIPE SPECIFICATIONS
 PIPE 30" O.D. x 0.625" W.T.
 API 5LX-70 HSAW
 COATING: 14-16 MILS FBE
 W/40 MILS ARO
 SERVICE: CRUDE OIL
 INSTALLATION: BORE
 MIN TEST PRESSURE: 1,800 PSIG
 MOP: 1,440 PSIG
 MIN. YIELD STRENGTH: 70,000 PSI

PROPOSED 30" PIPELINE

PROFILE
 SCALE: 1"=40' HORIZ.
 1"=20' VERT.

DATUM:
 ALL ELEVATIONS DERIVED FROM GPS OBSERVATIONS (GEOID 2012, NAVD 88) BEARINGS BASED ON UTM ZONE 14 NORTH AMERICAN DATUM 1983. U.S. SURVEY FEET
 T.B.M.: \odot 101ST STREET SE (UNIMPROVED) AT STA. 0+81, ELEV. 1742.36'

REV.	DATE	BY	DESCRIPTION	CHK.
B	01/07/16	JTM	ISSUED FOR USE/PERMIT	RC
A	03/02/15	JTM	ISSUED FOR REVIEW/PERMIT	RC

PROJECT NO. **10395700**

WOOD GROUP MUSTANG, INC.
 NORTH DAKOTA REGISTERED ENGINEERING FIRM 627C

DAKOTA ACCESS, LLC

PROPOSED 30" DAPL PIPELINE CROSSING 101ST STREET SE (UNIMPROVED)

EMMONS COUNTY NORTH DAKOTA

DRAWN BY: PRV	DATE: 01/08/15	DWG. NO.	REV.
CHECKED BY: RC	DATE: 03/02/15	ND-EM-125.910	B
SCALE: AS SHOWN	APP.:		

FILE: R:\P (103957)\DISCIPLINE\CAD\DRAWINGS\93-PERMIT\NORTH DAKOTA\EMMONS COUNTY\103957-P8-ND-25.910.dwg PLOT DATE: 1/7/2016 BY: VILLARREAL, PHIL